ASCE 1980
COMBINED INDEX

AMERICAN SOCIETY OF CIVIL ENGINEERS FOUNDED 1852

ASCE 1980

Journals (Proceedings)
Civil Engineering,
Transactions,
Manuals and Reports,
and
Special Publications

INDEX TO 1980 ASCE PUBLICATIONS

FOREWORD

The 1980 index, which provides a guide to information published by ASCE during 1980, combines material appearing in the Journals (Proceedings Vol. 106), CIVIL ENGINEERING (Vol. 50), Transactions (Vol. 145), Manuals and Reports, and Special Publications.

The user will find all articles and papers dealing with specific subject areas listed under one or more appropriate subject headings suggested by the content and application of the paper. The Engineers Joint Council "Thesaurus of Engineering Terms" has been used as the primary source of index terms. The Water Resources Thesaurus of the U.S. Department of the Interior and the Micro-Thesaurus compiled by the Soil Mechanics and Foundations Division of ASCE were also used.

The Index can be used in conjunction with the information-retrieval cards printed in the front of each Journal and to the rear of CIVIL ENGINEERING. The bold key words on the information-retrieval cards are the words used as index terms in the 1980 Index.

The name index contains entries indexed under the names of author, co-authors, discussers, chairmen of committees preparing reports, and deceased members whose memoirs appeared in Transactions.

In the name index, the entry for a Proceedings Paper (under the first name if more than one author) is supplemented by information concerning the discussion, closure, and Transactions digest, if applicable. To find what discussion, if any, there has been for a Proceedings Paper located in the subject index, the reader looks under the entry for the first-named author in the name index. When discussion of a paper from a prior year is published, the original entry is repeated. Discussion over a period of time can be traced until the closure to the paper is located.

When the paper appears in Transactions, the complete entry including original paper, discussion, closure, errata (if applicable), and Transactions citation appears in the name index.

Typical abbreviations used herein are:

Dsc for discussion
Clo for closing discussion
Corr for corrections
Err for errata
Chmn for Chairman of a committee submitting a report
TR for Transactions
TN for Technical Note

Items indexed from ASCE Special Publications have the following symbols in the references:

1. EFHYF—Conference of the Engineering Foundation, Improved Hydrologic Forecasting—Why and How, Pacific Grove, CA, March 25–30, 1979.
2. HW80—Specialty Conference of the Highway Division, Implementing Highway Safety Improvements, San Diego, CA, March 12, 1980.
3. ASDC—Case Studies of Applied Advanced Data Collection and Management, 1980.
4. CRLS—Specialty Conference of the Construction Division, Construction Risks and Liability Sharing, Scottsdale, Arizona, Jan. 24–26, 1979.
5. CAAA—Specialty Conference of the Urban Transportation Division, Transportation and the 1977 Clean Air Act Amendments, San Francisco, CA, Nov. 1, 1979.
6. UT79A—Specialty Conference of the Urban Transportation Division, Urban Transportation Financing, Lewisburg, PA, July 25–27, 1979.
7. P080—Specialty Conference of the Waterway, Port, Coastal and Ocean Division, Ports '80, Norfolk, VA, May 19, 1980.
8. MGC—Specialty Conference of Management Group C, Transportation and Development Around the Pacific, Honolulu, Hawaii, July 21–25, 1980.
9. SU80—Specialty Conference of the Surveying and Mapping Division, The Planning and Engineering Interface with a Modernized Land Data System, Denver, Colorado, June 2–4, 1980.
10. SLS—Fourth International Conference on Expansive Soils, Denver, Colorado, June 16–18, 1980.
11. CP80—Specialty Conference of the Technical Council on Computer Practices, Second Conference on Computing in Civil Engineering, Baltimore, MD, June 9, 1980.
12. HYUS—Specialty Conference of the Hydraulics Division, Urban Stormwater Management in Coastal Areas, Blacksburg, VA, June 19–20, 1980.
13. EE80—Specialty Conference of the Environmental Engineering Division, 1980 National Conference on Environmental Engineering, New York, NY, July 8–10, 1980.
14. IRKB—Specialty Conference of the Irrigation and Drainage Division, Symposium on Watershed Management, Boise, ID, July 21–23, 1980.
15. IRKA—Specialty Conference of the Irrigation and Drainage Division, Irrigation and Drainage—Today's Challenges, Boise, ID, July 23–25, 1980.
16. HYCO—Specialty Conference of the Hydraulics Division, Computer and Physical Modeling in Hydraulic Engineering, Chicago, IL, August 6–8, 1980.

17. AS80—Specialty Conference of the Aerospace Division, Civil Engineering Aspects of Remote Sensing, Madison, Wisconsin, August 13–14, 1980.
18. CZ80—Symposium of the Waterway, Port, Coastal and Ocean Division, Coastal Zone '80, Second Symposium on Coastal and Ocean Management, Hollywood, Florida, November 17–20, 1980.
19. GTA80—Dynamic Response of Pile Foundations: Analytical Aspects. Hollywood, Florida, October 30, 1980.
20. FIC—Fracture in Concrete, Hollywood, Florida, October 27–31, 1980.
21. EM81—Specialty Conference of the Engineering Mechanics Division, Dynamic Response of Structures: Experimentation, Observation, Prediction and Control, Atlanta, GA, January 15–16, 1981.
22. GTDF—Symposium on Deep Foundations, Atlanta, GA, October 25, 1981.

Preprints are indicated by the words Preprint and the preprint number and date. They were presented at ASCE National Meetings as follows:

Preprints	*Meeting*	*City*	*Date*
80-001–80-179	National Convention	Portland, Ore.	April 14–18, 1980
80-501–80-684	National Convention and Exposition	Hollywood, Fla.	Oct. 27–31, 1980

Journal Abbreviations: Construction (CO), Energy (EY), Engineering Mechanics (EM), Environmental Engineering (EE), Geotechnical Engineering (GT), Hydraulics (HY), Irrigation and Drainage (IR), Structural (ST), Surveying and Mapping (SU), Technical Councils (TC), Transportation Engineering (TE), Urban Planning and Development (UP), Waterway, Port, Coastal and Ocean (WW), Water Resources Planning and Management (WR). Papers sponsored by the Department of Professional Activities appear in "Engineering Issues—Journal of Professional Activities" and are identified by the symbols (EI). Papers appearing in the Transportation Engineering Journal of ASCE include papers approved by the Aerospace, Air Transport, Highway, Pipeline and Urban Transportation Divisions. Papers appearing in the Journal of the Technical Councils of ASCE include papers approved by the Technical Councils on Codes and Standards, Cold Regions Engineering, Computer Practices, Lifeline Earthquake Engineering, and Research.

The original publication can be found from the index entry as follows: Papers appearing in the Journals (Proceedings) are listed as:

CO3:Sept 80:247:15668

which would indicate a paper published in the Journal of the Construction Division, September 1980 on page 247, as Proceedings Paper 15668.

The Transactions entry

TR:145452

indicates that the Digest appears in Transactions, Volume 145, on page 452.

Articles and news items published in CIVIL ENGINEERING are represented as:

CE:May 80:69

Which states that the article appeared in CIVIL ENGINEERING in the May 1980 issue on page 69.

In addition to articles, the following Departments of CIVIL ENGINEERING are indexed: ASCE News, Engineers Notebook, The Readers Write, and The Younger Viewpoint.

Items indexed from Vol. 106 (1980) of the Journals are identified by months. The number of Journals published by a Division in 1980 can be obtained from the number after the last Division abbreviation i.e., GT 12, Dec. 1980 identifies the twelfth issue of the Journal of the Geotechnical Engineering Division. The complete list of paper numbers and Journals for 1980 is as follows:

Month	Paper Numbers	CO	EY	EM	EE	EI	GT	HY	IR	ST	SU	TC	TE	UP	WW	WR
Jan.	15096–15157					1	1	1		1			1			
Feb.	15158–15222			1	1		2	2		2					1	
Mar.	15223–15295	1					3	3	1	3			2			1
Apr.	15296–15377		1	2	2	2	4	4		4						
May	15378–15439						5	5		5			3		2	
June	15440–15509	2		3	3		6	6	2	6						
July	15510–15581					3	7	7		7			4			2
Aug.	15582–15660			4	4		8	8		8		1			3	
Sept.	15661–15716	3					9	9	3	9			5			
Oct.	15717–15782		2	5	5	4	10	10		10						
Nov.	15783–15862						11	11		11	1		6	1	4	
Dec.	15863–15950	4		6	6		12	12	4	12						

This annual index has been composed using magnetic tapes of all 1980 entries. To make future issues more useful, interested persons should submit their suggestions for further improvement to:

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1980 SUBJECT INDEX

Abandonment
Reclamation of Abandoned Mine Site, James R. Johnson, EE3:June 79:597:14629

Absenteeism
Improving Motivation and Productivity on Large Projects, John D. Borcherding, Scott Morse Sebastian and Nancy Morse Samelson, CO1:Mar 80:73:15272

Absorbers
Aerodynamic Response of Long H-Sections, Francis J. Maher and Larry E. Wittig, ST1:Jan 80:183:15105

Absorbers (Equipment)
Energy-Dissipating Bypass for Hydroelectric Powerhouse, Edmund F. Goedde, Vsevolod G. Guins and Richard P. Strumpf, HY12:Dec 79:1487:15070

Absorption
Dual Rate Kinetic Model of Fixed Bed Adsorber, Russell G. Peel and Andrew Benedek, EE4 Aug 80:797:15638
Moisture Retention of Landfilled Solid Wastes, Raymond L. Huitric, Sagar Raksit and Roger T. Haug, EE80:July 80:55
Wave Diffraction by Absorbing Wedge, Jesper Larsen, WW4:Nov 79:439:15000

Acceleration
Entrained Air in Linearly Accelerated Water Flow that, Abdin M.A. Salih, HY10:Oct 80:1595:15728
Use of Acceleration Measurements to Determine Wind Forces on Tall Buildings, Peter R. Sparks, Preprint No.80-056, Apr 80, 13pp.

Acceleration Lanes
Highway Design Criteria: Problems and Projections, Graeme D. Weaver, C. V. Wootan and Donald L. Woods, HW80:Mar 80:38

Accelerometers
Dynamic Stresses From Experimental and Modal Analysis, M. A. Tucchio, John F. Carney, III and Howard I. Epstein, EM81:Jan 81:658

Accelerometer Tests
Dynamic Of Low-Profile Ship Loading Container Cranes, Dr. Robert T. Ratay and Tibor Szegezdy, EM81:Jan 81:760
Dynamic Stresses From Experimental and Modal Analysis, M. A. Tucchio, John F. Carney, III and Howard I. Epstein, EM81:Jan 81:658

Acceptability
Journal-Paper Review Statistics, William F. Marcuson, III, Chmn., GT4:Apr 80:341:15369

Access Control
Neighborhood Traffic Controls, Martin E. Lipinski, TE3:May 79:213:14558

Accessibility
Access is the Opium of the Planner, Wallace Kaufman, CZ80:Nov 80:119
Access to Coastal Resources: The Access Concept Comes of Age, William W. Dreyfoos, CZ80:Nov 80:1719
Beach Access Problems, Programs and Progress, David J. Brower, CZ80:Nov 80:1697
Designation of All Public Rights of Way to the Tidal Areas of Rhode Island, Joseph F. Turco, CZ80:Nov 80:1386
Guaranteeing Public Access in Publicity-Funded Shoreline Projects, Kenneth C. Caldwell, CZ80:Nov 80:1397
Improved Mobility for Elderly and Handicapped People, James A. Bautz, Preprint No.80-609, Oct 80, 13pp.
Local Assistance: A Problem in Translation, Stephen Olsen, CZ80:Nov 80:1510
Preserving Public Access: The Bay Experience, Nancy Wakeman Twiss, CZ80:Nov 80:1418
Providing Public Waterfront Access in Maryland, Kathy H. Fitzpatrick, Trisha A. Bednarz and Earl H. Bradley, Jr., CZ80:Nov 80:1406
The San Diego Regional Coastal Access Study, Dennis A. Prescott, CZ80:Nov 80:1662
South Padre Island Coastal Zone Management Study, W. G. Roeseler, CZ80:Nov 80:1645
Sunset Cliffs Stabilization San Diego, California, Louis J. Lee and Walter Crampton, CZ80:Nov 80:2271
Urban Riverfront Expansion, D. B. Robbins, J. M. Armstrong, C. L. Kureth, Jr., D. V. Pratt and T. V. Dobson, CZ80:Nov 80:236

Access Roads
Damsite Works Layout and Access Road Location, Keith A. Murley, ASDC:80:114
Honolulu International Airport Groundside Plan, Edward C. Stevenson and Julian Ng, MGC:July 80:212
Identification and Nature of Risks in Construction Projects — A Contractor's Perspective, J. Joseph Casey, CRLS:Jan 79:I-17
The Long Beach Downtown Transportation Project, Wes R. Frysztacki, MGC:July 80:195
Problems in New Tokyo Airport, Manabe Shigeto and Sakai Katsuyuki, MGC:July 80:46
Regional Geology of the Dartmouth Dam Site, F. Cox, ASDC:80:105

Accident Data
Meaningful Highway Accident Data—A Commitment is Needed, Roy W. Anderson, HW80:Mar 80:12
Michigan's System for Improved Highway Safety, Donald E. Orne, HW80:Mar 80:19
Time Series Models for Freeway Incident Detection, Samir A. Ahmed and Allen R. Cook, TE6:Nov 80:731:15805

Accident Factors
Hazardous Location Program, Edwin M. Smith, HW80:Mar 80:109

Accident Location
A Problem Identification and Evaluation System, David B. Brown, HW80:Mar 80:61
Recent Developments in Automated Accident Location Systems, James D. Decker and Robert W. Hawkins, Preprint No.80-620, Oct 80, 13pp.

Accident Prediction
Grade-Crossing Accident Prediction, Lawrence W. Margler and Michael B. Rogozen, TE3:May 80:257:15408

Accident Prevention
Markings and Delination in Safety Construction, Gerald P. Balcar, HW80:Mar 80:135
A Problem Identification and Evaluation System, David B. Brown, HW80:Mar 80:61
Success Despite Our Worship, Carlton Fisher, HW80:Mar 80:96

Accident Records
Highway Safety and Roadside Hazards, James L. Foley, Jr., TE6:Nov 80:617:15799
A Problem Identification and Evaluation System, David B. Brown, HW80:Mar 80:61

Accident Risks
Success Despite Our Worship, Carlton Fisher, HW80:Mar 80:96

Accidents
Amelioration of Roadside Obstacle Crashes, Paul H. Wright and Leon S. Robertson, TE6:Nov 79:609: 14974
Cold Weather Costs and Accidents, Enno Koehn and Dennis Meilhede, Preprint No.80-505, Oct 80, 18pp.
Highway Safety and Roadside Hazards, James L. Foley, Jr., TE6:Nov 80:617:15799
Highway Safety Research and Implementation, Edwin M. Wood, HW80:Mar 80:207
Identification and Nature of Risks in Construction Projects — A Contractor's Perspective, J. Joseph Casey, CRLS:Jan 79:I-17
Railroad Highway Grade Crossing Program: Railroad View, Frederick J. Kull, HW80:Mar 80:130
Willow Island Aftermath: The Limits of OSHA, Allen Morrison, CE:Mar 80:68
The 55-mph Speed Limit: A Review, John G. Kunna, TE3:May 80:299:15404

Accident Severity
Bicycle/Motor Vehicle Accidents in Kentucky, K. R. Agent, C. V. Zegeer and Robert C. Deen, TE3:May 80:283:15413

Accident Statistics
The PMD Program—One State's View, Roger L. Hatton, HW80:Mar 80:149

Accident Types
Bicycle/Motor Vehicle Accidents in Kentucky, K. R. Agent, C. V. Zegeer and Robert C. Deen, TE3:May 80:283:15413

Accountability
Public Engineers: Accountability Without Liability, Edward J. Rhomberg and Gary W. Hein, EI4:Oct 80:345:15727

Accreditation
Metropolitan Section Accreditation Program on Compliance with Manual 55, Thomas A. Mulhern, EI1:Jan 79:35:14316

Accretion (Geomorphology)
Impacts of Water Development and Coastal Engineering on Barrier Island Erosion Rates, Arthur R. Benton, Jr., ASDC:80:191
Perspectives on Erosion: Barrier Island Management, Ann C. Baker, CZ80:Nov 80:1

Accuracy
Accuracy Assessment for Finite Element Stress Analysis, Ergin Citipitioglu, CP80:June 80:246
Monitoring Large Structures by Precise Survey, Kenneth D. Robertson, ASDC:80:277

Acidic Water
The Occurrence and Prediction of Acid Drainage, Frank T. Caruccioi, Gwendelyn Geidel and Mike Pelletier, Preprint No.80-658, Oct 80, 14pp.
Will the World Face Up to Its Ever-Worsening Environmental Problems?, Eugene E. Dallaire, CE: Sept 80:67

Acid Mine Water
Kinetic Model for Flocculation with Polymers, Peter M. Huck and Keith L. Murphy, EE4:Aug 78:767: 13950

Acoustic Detection
Microscopic Study of Mechanisms in Soils, Tamotsu Matsui, Tomio Ito, James K. Mitchell and Nobuharu Abe, GT2:Feb 80:137:15221

Acoustic Measurement
Acoustic Emission of Fiber Reinforced Plastics, Timothy J. Fowler, TC2:Dec 79:281:15021

Acquisition
Alternative Approaches for Applying GIS Technology, Jack P. Dangermond and Lowell Kent Smith, SU80:June 80:97
Computer Aquisition for the Small Contractor, Vera D. Dunder, CO2:June 80:173:15497

Activated Carbon
Control of Trihalomethanes Using Powdered Carbon, Mark C. Anderson, R. C. Butler, B. H. Kornegay and W. D. Pfoutz, EE80:July 80:378
Dual Rate Kinetic Model of Fixed Bed Adsorber, Russell G. Peel and Andrew Benedek, EE4:Aug 80: 797:15638
Judiciously Planned Bench Scale Studies are Extremely Valuable in AWT Process Selection, Madan L. Arora, Margaret J. Bliss and Ken M. Trompeter, EE80:July 80:100
Mathematical Modeling of Humic Substances Removal with Activated Carbon Beds, Michael C. Lee, John C. Crittenden, Vernon L. Snoeyink and William E. Thacker, EE80:July 80:387
Removal of Soluble Secondary-Effluent Organics, Stephen J. Randtke and Perry L. McCarty, EE4: Aug 79:727:14763
Treating Industrial Wastewater of Varying Quality and Quantity, Sydney H. Stilley, EE80:July 80:553

Activated Carbon Treatment
Carbon Treatment of Drinking Water: N.J. Plant Trying to Get Out Bugs, Eugene E. Dallaire, CE: Jan 80:64
Control of Trihalomethanes Using Powdered Carbon, Mark C. Anderson, R. C. Butler, B. H. Kornegay and W. D. Pfoutz, EE80:July 80:378
Convection Limited Sorption Kinetics in Packed Beds, David W. Hendricks, EE4:Aug 80:727:15605
Mathematical Modeling of Humic Substances Removal with Activated Carbon Beds, Michael C. Lee, John C. Crittenden, Vernon L. Snoeyink and William E. Thacker, EE80:July 80:387
Occurence of Organic Compounds and Removal by AWT Processes, Kip Kuchon, EE80:July 80:612
Treating Industrial Wastewater of Varying Quality and Quantity, Sydney H. Stilley, EE80:July 80:553

Activated Sludge
Aerobic Digestion of Waste Activated Sludge, C. Scott Reece, Ralph E. Roper, Jr. and C. P. Leslie Grady, Jr., EE2:Apr 79:261:14522
Anaerobic Digestion of Waste and Activated Sludge, James M. Gossett and Roy L. Belser, EE80:July 80:33
Biokinetics of Phosphorus Removal in PHOSTRIP Activated Sludge, Raymond W. Reagan and John B. Nesbitt, EE80:July 80:282
Bipopulation Approach to CMAS-Process Simulation, David H. Liang, Ping-Yi Yang and Tung Liang, EE5:Oct 79:905:14914
Chemical Conditioning of Activated Sludge, John T. Novak and Bjorn-Erik Haugan, EE5:Oct 79:993: 14892
Efficiences of Advanced Waste Treatment Obtained with Upgraded Trickling Filters, Dan P. Morris, Denny S. Parker, Marvin L. Daniels and Eben L. Owens, CE:Sept 80:78
Engineering Design Variables for the Activated Sludge Process, Lloyd W. Weller, Chmn., EE3:June 80:473:15509

Factors Influencing Activated Sludge Properties, John T. Novak, Harry Becker and Andrew Zurow, EE5: Oct 77:815:13262
Final Clarifiers for Activated Sludge Plants, Shankha K. Banerji, Chmn., EE5:Oct 79:803:14930
Kinetics of Pure Oxygen Activated Sludge, Gedaliah Shelef and Michal Green, EE6:Dec 80:1099:15884
Oxygen Transfer Measurements in Respiring Systems, John R. Stukenberg, EE80:July 80:78
Secondary Treatment Alternatives: Suspended Growth, Gordon L. Culp, Chmn., EE2:Apr 79:283: 14528
A Streamlined Approach to Biological Nitrogen Removal, Laurence J. Sauter, Jr. and James E. Alleman, EE80:July 80:296

Activated Sludge Process
Activated Sludge Effluent Quality Distribution, Wendell H. Hovey, Edward D. Schroeder and George Tchobanoglous, EE5:Oct 79:819:14880
Activated Sludge Process Modification Study, Hraj A. Kharajian and Joseph H. Sherrard, EE2:Apr 79: 189:14527
Aerobic Digestion of Waste Activated Sludge, C. Scott Reece, Ralph E. Roper, Jr. and C. P. Leslie Grady, Jr., EE2:Apr 79:261:14522
Alpha, Beta, and Theta Factors For Oxygen Transfer Testing, Michael K. Stenstrom and R. Gary Gilbert, EE80:July 80:86
Biokinetics of Phosphorus Removal in PHOSTRIP Activated Sludge, Raymond W. Reagan and John B. Nesbitt, EE80:July 80:282
Bipopulation Approach to CMAS-Process Simulation, David H. Liang, Ping-Yi Yang and Tung Liang, EE5:Oct 79:905:14914
Chemical Conditioning of Activated Sludge, John T. Novak and Bjorn-Erik Haugan, EE5:Oct 79:993: 14892
Cost Interactions in Activated Sludge Systems, Michael K. Stenstrom and John F. Andrews, EE4: Aug 80:787:15627
Diffusion and Reaction in Biological Nitrification, Enrique J. LaMotta and Wen K. Shieh, EE4:Aug 79:655:14759
Effect of Design on Economy of Aerobic Digestion, Otto Brody, EE2:Apr 79:383:14547
Energy Conservation in Activated Sludge Systems, Sal D'Angelo, H. David Stensel and J. C. Goldman, EE4:Aug 80:773:15636
Extended Aeration Treatment at Maryland State Parks, James E. Alleman and Joanne S. Colt, EE80:July 80:175
Factors Influencing Activated Sludge Properties, John T. Novak, Harry Becker and Andrew Zurow, EE5: Oct 77:815:13262
Final Clarifiers for Activated Sludge Plants, Shankha K. Banerji, Chmn., EE5:Oct 79:803:14930
Kinetics of Pure Oxygen Activated Sludge, Gedaliah Shelef and Michal Green, EE6:Dec 80:1099:15884
Parameter Choice for Process Control, Edward D. Schroeder and Robert L. Irvine, EE2:Apr 79:217: 14516
Real-Time Control of Activated Sludge Process, Michael K. Stenstrom and John F. Andrews, EE2: Apr 79:245:14521
A Streamlined Approach to Biological Nitrogen Removal, Laurence J. Sauter, Jr. and James E. Alleman, EE80:July 80:296

Activation
Ozone Inactivation of Floc Associated Viruses and Bacteria, Douglas S. Walsh, Charles E. Buck and Otis J. Sproul, EE4:Aug 80:711:15601

Active Earth Pressure
Zero Extension Line Theory of Earth Pressure, Karim Habibagahi and Arsalan Ghahramani, GT7: July 79:881:14702

Active Pressure
Zero Extension Line Theory of Earth Pressure, Karim Habibagahi and Arsalan Ghahramani, GT7: July 79:881:14702

Adaptive Systems
Adaptive Management Information System, Richard H. Long, James J. Kotanchik and Robert D. Logcher, TC1:Aug 80:129:15622

Adhesive Bonding
Stress Analysis of Bonded Plates and Joints, Umur Yuceoglu and Dean P. Updike, EM1:Feb 80:37: 15189

Adjustment
Trilateration Adjustment by Finite Elements, Naguib F. Danial and Theodor Krauthammer, SU1:Nov 80: 73:15812
Virtual Work Adjustment of Trilateration Nets, Naguib F. Danial, SU1:Nov 79:67:14955

Administration
Highway Safety Program Overview, Thomas A. Hall, HW80:Mar 80:3
Summary Session—C, John P. Jellico, CRLS:Jan 79: II-184

Admixtures
Future Advances in Soil Placement and Improvement, J. Richard Bell, GT1:Jan 78:1:13469
Rock Anchor System for Securing Failing Wall, Peter J. Nicholson, TE2:Mar 79:199:14434

Adsorbed Water
Microscopic Study of Mechanisms in Soils, Tamotsu Matsui, Tomio Ito, James K. Mitchell and Nobuharu Abe, GT2:Feb 80:137:15221

Adsorbents
Model for Design of Multicomponent Adsorption Systems, John C. Crittenden and Walter J. Weber, Jr., EE6:Dec 78:1175:14230
Multiple-Tap Column Design for Adsorbents, Kent E. Zenobia and Irwin H. Suffet, TN: EE4:Aug 80: 852:15588

Adsorption
Convection Limited Sorption Kinetics in Packed Beds, David W. Hendricks, EE4:Aug 80:727:15605
Disposal of Hazardous Toxic Munition Waste, Irving Forsten, EE80:July 80:440
The Effect of Complex Formation on the Removal of Heavy Metals from Water and Wastewater, C. P. Huang and A. R. Bowers, EE80:July 80:240
Filtration for Treating Metal-Finishing Wastes, Charles H.H. Yeh and Mriganka M. Ghosh, EE80: July 80:546
Mathematical Modeling of Humic Substances Removal with Activated Carbon Beds, Michael C. Lee, John C. Crittenden, Vernon L. Snoeyink and William E. Thacker, EE80:July 80:387
Mathematical Modeling of the Displacement of Preadsorbed Organics in Fixed-Bed Adsorbers, John C. Crittenden, Bryant W.C. Wong, William E. Thacker, Vernon L. Snoeyink and Richard L. Hinrichs, EE80:July 80:274
Model for Design of Multicomponent Adsorption Systems, John C. Crittenden and Walter J. Weber, Jr., EE6:Dec 78:1175:14230
Removal of Soluble Secondary-Effluent Organics, Stephen J. Randtke and Perry L. McCarty, EE4: Aug 79:727:14763
Treating Industrial Wastewater of Varying Quality and Quantity, Sydney H. Stilley, EE80:July 80:553

Advection
Accurate Calculation of Transport in Two Dimensions, Forrest M. Holly, Jr. and Alexandre Preissmann, HY11:Nov 77:1259:13336
Temporal Moments for Longitudinal Dispersion, Yuh Hua Tsai and Edward R. Holley, HY12:Dec 78: 1617:14266

Aeolian Sands
Predicting Sand Deposition at Porous Fences, Christopher J. Phillips and Brian B. Willetts, WW1: Feb 79:15:14379

Aeration
Air Retained in Pool by Plunging Water Jet, Eamon J. McKeogh and Elsayed M. Elsawy, HY10:Oct 80: 1577:15742
Alpha, Beta, and Theta Factors For Oxygen Transfer Testing, Michael K. Stenstrom and R. Gary Gilbert, EE80:July 80:86
Campbellsville, Ky. First Plant in U.S. to Use Carrousel Process, CE:May 79:65
Design Criteria for Aerobic Aerated Lagoons, Dhandapani Thirumurthi, EE1:Feb 79:135:14392
Effect of Design on Economy of Aerobic Digestion, Otto Brody, EE2:Apr 79:383:14547
Engineering Design Variables for the Activated Sludge Process, Lloyd W. Weller, Chmn., EE3:June 80:473:15509
Extended Aeration Treatment at Maryland State Parks, James E. Alleman and Joanne S. Colt, EE80:July 80:175
In-Stream Aeration: A Possible Alternative to AWT?, CE:Mar 80:81
Laboratory Studies of Gas Tracers for Reaeration, Ronald E. Rathbun, D. W. Stephens, David J. Shultz and D. Y. Tai, EE2:Apr 78:215:13679
Mean Air Concentration of Self-Aerated Flows, Henry T. Falvey, TN: HY1:Jan 79:91:14275
Modeling Waste Assimilation After Channelization, Edward C. Davis and Edward L. Thackston, EE80: July 80:153
Organics in Water—An Engineering Challenge, Perry L. McCarty, EE1:Feb 80:1:15180
Oxygen Transfer Measurements in Respiring Systems, John R. Stukenberg, EE80:July 80:78
Oxygen Transfer Standard—Basin Geometry and Mixing (Abstract), Thomas C. Rooney and Ronald N. Salzman, EE80:July 80:94
Physical Modeling of Bubble Screens, Sahim Tekeli and W. Hall C. Maxwell, WW1:Feb 80:49:15176
Postaeration of Wastewater, Boris M. Khudenko, EE2:Apr 79:297:14534
Proposed Modifications of K_2—Temperture Relation, Linfield C. Brown and Michael K. Stenstrom, TN: EE6:Dec 80:1193:15869
A Review of Design Fundamentals is Needed, Mark J. Hammer, EE80:July 80:167

Aeration Tanks
Design Criteria for Aerobic Aerated Lagoons, Dhandapani Thirumurthi, EE1:Feb 79:135:14392

Aerators
Campbellsville, Ky. First Plant in U.S. to Use Carrousel Process, CE:May 79:65
Oxygen Transfer Standard—Basin Geometry and Mixing (Abstract), Thomas C. Rooney and Ronald N. Salzman, EE80:July 80:94
Postaeration of Wastewater, Boris M. Khudenko, EE2:Apr 79:297:14534

Aerial Photographic Interpretation
Areawide Soil Loss Predictions Using CIR Airphotos, Ken M. Morgan and Randolph Nalepa, AS80:Aug 80:24
The Use of B&W and C.I.R. Photography at M.D.O.T., Robert R. Green, AS80:Aug 80:140
WAMS: A Computer-Based Mapping and Data Base Management System, Harry A. Niedzwiadek and George R. Hoffman, ASDC:80:359

Aerial Photographs
Aerial Photography in Fire Risk Assessment, Paul R. DeCicco, AS80:Aug 80:155
Analysis of Landfills with Historic Airphotos, Thomas L. Erb, Warren R. Philipson, William L. Teng and Ta Liang, AS80:Aug 80:15
Areawide Soil Loss Predictions Using CIR Airphotos, Ken M. Morgan and Randolph Nalepa, AS80:Aug 80:24
Damsite Works Layout and Access Road Location, Keith A. Murley, ASDC:80:114
High Altitude Photos for Inactive Mines, Jan P. Berger and Warren R. Philipson, SU1:Nov 80:27: 15815

Aerial Photography
Aerial Infrared Sensing Systems and Techniques, Fred A. Schmer and Darrell R. Hause, ASDC:80: 244
Aerial Photography in Fire Risk Assessment, Paul R. DeCicco, AS80:Aug 80:155
Airborne Hydraulic Surveys: Mission Planning, Srinivasan Thiruvengadachari and Damal V. Rohini Kumar, SU1:Nov 80:35:15843
Analysis of Landfills with Historic Airphotos, Thomas L. Erb, Warren R. Philipson, William L. Teng and Ta Liang, AS80:Aug 80:15
Application of Landsat to the Inventory of Dams, Andrew R. Blystra and Raymond R. Dumas, AS80: Aug 80:54
Aquatic Plant Mapping by Remote Sensing, Lewis E. Link, Jr. and K. S. Long, ASDC:80:34
Areawide Soil Loss Predictions Using CIR Airphotos, Ken M. Morgan and Randolph Nalepa, AS80:Aug 80:24
Changes to a Flood Plain Caused by Gold Dredging, W. A. Morris, ASDC:80:220
Coastal Erosion in San Diego County, California, Gerald G. Kuhn and Francis P. Shephard, CZ80: Nov 80:1899
Effects of Dam Construction and Channelization on Deltaic Wetlands, Arthur R. Benton, Jr., ASDC:80: 183
Energy Loss Surveys Using Thermal IR Technology, Lewis E. Link, Jr., AS80:Aug 80:123
An Engineering View of CAMRAS, William Bathke, SU80:June 80:233
Estuarine Circulation from Dye-Buoy Photogrammetry, John C. Munday, Jr., Christopher S. Welch and Hayden H. Gordon, PO80:May 80: 417
Evaporation Basin Study at Boundary Bend, D. M. Ife, ASDC:80:144
Hydraulic Features from River Flood Photography, A. B. Long, ASDC:80:76
Land Subsidence and Earth Fissuring in Central Arizona, Lewis E. Scott, Preprint No.80-140, Apr 80, 12pp.
Locating Reservoirs with Landsat: "A Texas Example", E. Charles Palmer, Samuel D. McCulloch and A. E. Richardson, ASDC:80:11
Location of Cross-Drainage Structures on Channels, John Russell Tregear, ASDC:80:137
Low-Investment Access to LANDSAT Digital Analysis, Roger G. Anderson and Elaine I. Marinello, CP80:June 80:37
Major Mapping Activities in the Coastal Zone, Peter F. Bermel, CZ80:Nov 80:2380
Mapping America is Never-Ending Task for USGS, Morris M. Thompson, CE:Feb 79:77
Mini-Format Remote Sensing for Civil Engineering, Olin W. Mintzer and Dennis Spragg, TE6:Nov 78: 847:14154
Monitoring Noxious Plant Spread in Reservoirs, Arthur R. Benton, Jr., ASDC:80:21
National Wetlands Inventory Project, Bill O. Wilen and Rudolf Nyc, CZ80:Nov 80:1847
Photogeodesy, James Collins, ASDC:80:309
Quantitative Chlorophyll Mapping Using Ultra-Narrow Band Airborne Photography (Abstract), Edward Wedler, AS80:Aug 80:53
Regional Geology of the Dartmouth Dam Site, F. Cox, ASDC:80:105
Remote Sensing and Mine Subsidence, Orville R. Russell, Roger V. Amato and Thomas V. Leshendok, TE2:Mar 79:185:14467
Remote Sensing for Tunnel Siting Studies, Orville R. Russell, Dennis T. Stanczuk and John R. Everett, TE5:Sept 80:523:15676
Remote Sensing for Water Resource Surveys, R. H. Kinsey, ASDC:80:55
River Murray Flooding, D. T. Curry and D. J. Dole, ASDC:80:41
Salinity Assessment at Kerang, W. Trewhella, ASDC: 80:206
Sanitary Landfill Site Selection by Remote Sensing, Jerry R. Rogers, William J. Graff, Larry J. Stone, C. H. Tsen and S. S. Yang, ASDC:80:92

Sanitary Landfill Site Selection by Remote Sensing, Byron E. Ruth, Janet D. Degner and Harold K. Brooks, TE6:Nov 80:661:15835
A Seismo-Tectonic Study of the Western Narmada Valley Using Landsat Imagery, S. N. Pandey, ASDC:80:171
Sewage Treatment Site Selection, Phillip Island, Victoria, R. W.G. Evans and O. J. Scroggie, ASDC: 80:140
Snow-Covered Area Utilization in Runoff Forecasts, Albert Rango, Jack F. Hannaford, Michael Rosenzweig and A. Jean Brown, HY1:Jan 79:53: 14326
Subsurface Coal Refuse Bank Fire Delineation, Ronald W. Stingelin, ASDC:80:268
Urban Development and Flood Hazards at Shepparton, N. W. Tappe, ASDC:80:213
Uses of Small Format Aerial Photography, R. H. Kinsey, ASDC:80:63
USGS Sharpening Water-Quality Management Tools, Phillip E. Greeson, CE:Feb 79:92
WAMS: A Computer-Based Mapping and Data Base Management System, Harry A. Niedzwaiadek and George R. Hoffman, ASDC:80:359
Water Control Difficulties Through Flooded Lakes Systems, Donald John Blackmore, ASDC:80:69
Water Pipeline Location, S. J. O'Keefe, ASDC:80: 131
Water Temperature Mapping by Infrared Scanner, James B. Evans, AS80:Aug 80:118
Whither Satellite Remote Sensing—II?, Kneeland A. Godfrey, Jr., CE:Apr 80:63

Aerial Rudders
Issues in Mapping Atlantic Coastal Ecological Data, Paul R. Adamus, Thomas E. Bigford and James R. Hynson, CZ80:Nov 80:160

Aerial Surveys
Block Triangulation by Bundles and Stereo-Units, G. Warren Marks, Edward M. Mikhail and J. Christopher McGlone, SU1:Nov 80:1:15849
Doppler Satellite Surveying System, Larry D. Hothem, William E. Strange and Madeline White, SU1:Nov 78:79:14132
Energy Loss Surveys Using Thermal IR Technology, Lewis E. Link, Jr., AS80:Aug 80:123
Water Temperature Mapping by Infrared Scanner, James B. Evans, AS80:Aug 80:118

Aerobic Processes
Aerobic Digestion of Waste Activated Sludge, C. Scott Reece, Ralph E. Roper, Jr. and C. P. Leslie Grady, Jr., EE2:Apr 79:261:14522

Aerobic Treatment
Effect of Design on Economy of Aerobic Digestion, Otto Brody, EE2:Apr 79:383:14547

Aerodynamic Forces
Freestream Turbulence Effects on Galloping, Kenny C.S. Kwok and William H. Melbourne, EM2:Apr 80:273:15356
Tornado Wind Effects On The Grand Gulf Cooling Towers, T. Theodore Fujita, EM81:Jan 81:555

Aerodynamics
Aerodynamics in Air Pollution Modeling, Hua Wang and Henry Liu, TE2:Mar 80:171:15263
Dynamic Analysis of Cable-Hung Ruck-A-Chucky Bridge, Zung-An Lu, ST10:Oct 79:2009:14918
Energy Conservation Through Improved Aerodynamics, Frank T. Buckley, Jr., MGC:July 80:160
Mean Wind Profiles and Change of Terrain Roughness, Jacques Bietry, Christian Sacre and Emil Simiu, ST10:Oct 78:1585:14099
PDF of Wind Pressures on Low-Rise Buildings, Theodore Stathopoulos, ST5:May 80:973:15409
Three-Dimensional Wakes: Origin and Evolution, Enzo Levi, EM4:Aug 80:659:15618

Aeroelasticity
Aerodynamic Response of Long H-Sections, Francis J. Maher and Larry E. Wittig, ST1:Jan 80:183: 15105
Deterministic Torsional Building Response to Winds, Carlos P. Patrickson and Peretz P. Friedmann, ST12:Dec 79:2621:15084
Wind Loading on Cooling Towers, John Armitt, ST3: Mar 80:623:15282

Aerosols
Aerosols in the Treatment Plant Environment, C. Richard Walter and Guy D. Van Doren, EE80:July 80:488

Aerospace Engineering
Advanced Data Collection Technology and Applications - A Task Committee Report (Abstract), Bob Benn and Enrico Mercanti, MGC: July 80:342

Aerospace Industry
Aerospace Technology for Freight Pipelines, Henry Liu and Donald L. Gibson, MGC:July 80:97

Aerotriangulation
Block Triangulation by Bundles and Stereo-Units, G. Warren Marks, Edward M. Mikhail and J. Christopher McGlone, SU1:Nov 80:1:15849

Africa
Water Supply Planning Model for West Africa, Paul H. Kirshen, WR2:Sept 79:413:14861

Age Factors
Bridge Appearance, Colin O'Connor, Michael D. Burgess, Michael J. Egan and John L. Olsen, ST1: Jan 80:331:15107

Aggradation
Aggradation in Streams Due to Overloading, Jagdish P. Soni, Ramachandra J. Garde and Kittur G. Ranga Raju, HY1:Jan 80:117:15147

Aggregate Gradation
Slip-Dilatancy Model for Cracked Reinforced Concrete, Zdenek P. Bazant and Tatsuya Tsubaki, ST9:Sept 80:1947:15704

Aggregates
The Cracking and Fracture of Mortar, Sidney Mindess and Sidney Diamond, FIC:Oct 80:15
Evaluating Aggregate Gradings for Nuclear Concrete, Kurtz L. Paulson and R. Harlan Wright, Preprint No.80-507, Oct 80, 26pp.
Examination of Degraded Aggregate Cement Value Test, Gerald Patrick Raymond, TE3:May 79:329: 14595
Fundamental Analysis of Aggregate Interlock, Joost C. Walraven, Preprint No.80-011, Apr 80, 29pp.
Railroad Ballast Load Ranking Classification, Gerald Patrick Raymond and Vishnu A. Diyaljee, GT10: Oct 79:1133:14900
Railroad Ballast Prescription: State-of-the-Art, Gerald Patrick Raymond, GT2:Feb 79:305:14397

Aggregation
Disaggregation of Streamflow Volumes, Kiyoshi Hoshi and Stephen J. Burges, HY1:Jan 79:27:14331

Aging
Approximate Relaxation Function for Concrete, Zdenek P. Bazant and Sang-Sik Kim, ST12:Dec 79: 2695:15083
Tensile Strength of Concrete: Double-Punch Test, Wai F. Chen and Robert L. Yuan, ST8:Aug 80: 1673:15593

Agreements
Conflict Resolution: Lessons from Grays Harbor, Nan Evans, CZ80:Nov 80:776
U.S.-Canadian Agreement on East Coast Fisheries, Sang-Myon Rhee, CZ80:Nov 80:345

Agricultural Economics
Will the World Face Up to Its Ever-Worsening Environmental Problems?, Eugene E. Dallaire, CE: Sept 80:67

Agricultural Engineering
Knickpoint Migration due to Baselevel Lowering, Ze'ev B. Begin, David F. Meyer and Stanley A. Schumm, WW3:Aug 80:369:15651

Agricultural Wastes
Low Temperature Anaerobic Digestion of Swine Manure, Mark A. Stevens and Dennis D. Schulte, EE1:Feb 79:33:14340
Monitoring Areawide Rural Water Quality, Larry F. Bliven, Frank J. Humenik, Fred A. Koehler and Michael R. Overcash, EE1:Feb 79:101:14343

Agricultural Watersheds
Food and Agricultural Policies, Earl O. Heady, WR1: Mar 79:151:14415
Nonpoint Pollution from Agricultural Watersheds, James A. Ayars, John C. Inman and Gwendolyn McClung, IRKB:July 80:974

Agriculture
Developing Agricultural Best Management Practices, Gaylord V. Skogerboe, Wynn R. Walker and Robert G. Evans, IRKA:July 80:298
Drainage in the Humid Region of the Pacific Northwest, Gordon W. Stroup and Donald L. Stettler, IRKA:July 80:251
Drainage System Design and Implementation in Southwestern British Columbia, Brian E. Baehr, IRKA:July 80:274
Estimating Sediment Yield from Cultivated Fields, George R. Foster, Leonard J. Lane and Walter G. Knisel, Jr., IRKB:July 80:151
Evaluation of Land Treatment of Wastewater in California, John R. Thornton and James D. Goff, EE80:July 80:106
Food and Agricultural Policies, Earl O. Heady, WR1: Mar 79:151:14415
Irrigation Prospects in Bendel State of Nigeria, Paul A.C. Okwuobi, IR1:Mar 79:99:14459
Land Imprinting for Better Watershed Management, Robert M. Dixon and John R. Simanton, IRKB: July 80:809
Managing Snowpack Augmentation Research, Olin H. Foehner, IRKA:July 80:85
Multimillion-Acre Tea Bag, George Svenson, CE:Feb 80:47
Sources of Pollution from Agricultural Drainage, Reginald E. Merrill, Ronald M. Van De Pol and Walter E. Ryley, IR2:June 79:137:14605
Thames Basin Nitrate and Agricultural Relations, Charles A. Onstad and Jane Blake, IRKB:July 80: 961
Whither Satellite Remote Sensing—II?, Kneeland A. Godfrey, Jr., CE:Apr 80:63

Airborne Detectors
Applications of Advanced Airborne Reconnaissance Instrumentation Systems (Abstract), Robert C. Sheets, MGC:July 80:364

Airborne Equipment
Airborne Laser Acquisition of Cross-Section Data, John G. Collins and William B. Krabill, AS80:Aug 80:175

Airborne Operations
Airborne Snow Survey Using Natural Gamma Radiation, Thomas R. Carroll and Kenneth G. Vadnais, ASDC:80:1

Airborne Radar
Airborne Laser Acquisition of Cross-Section Data, John G. Collins and William B. Krabill, AS80:Aug 80:175

Air Cargo
Air Transportation to Isolated Small Pacific Islands, Frank V. Hermann, MGC:July 80:22

Air Chambers
Development of Makeup-Line Safe-Operating Criteria, Peter K. Su and Irving Joseph, HY2:Feb 80:269:15183

Air Compressors
Control of Construction Noise, Stan Potter and A. Paolillo, EE80:July 80:421

Aircraft
Airborne Hydraulic Surveys: Mission Planning, Srinivasan Thiruvengadachari and Damal V. Rohini Kumar, SU1:Nov 80:35:15843
Impactive Effects of Tornado Missiles and Aircraft, Anil K. Kar, ST11:Nov 79:2243:14968
New Aluminum Structural Materials for the 1980's, William F. Bates, Jr., TE6:Nov 80:845:15859
Notched Trusses Give Low-Cost Conversion of Hangars for Jumbo Jets, Edward H. Strand and Stephen H. Barnes, CE:June 80:88
Selected Areas of Aerospace Technical Applications to Civil Engineering, Allen F. Flanders, Chmn., TE3:May 79:223:14563

Air Entrainment
Air Entrainment in Radial Flow Towards Intakes, Akalank K. Jain, Kittur G. Ranga Raju and Ramachandra J. Garde, HY9:Sept 78:1323:14038
Air Retained in Pool by Plunging Water Jet, Eamon J. McKeogh and Elsayed M. Elsawy, HY10:Oct 80: 1577:15742
Boundary Layers in Developing Open Channel Flow, Edward Silberman, TN: HY7:July 80:1237:15516
Developing Zone Characteristics in Aerated Flows, B. S. Thandaveswara and Nagar S. Lakshmana Rao, HY3:Mar 78:385:13605
Entrained Air in Linearly Accelerated Water Flow that, Abdin M.A. Salih, HY10:Oct 80:1595:15728
Oxygen Transfer at Hydraulic Structures, Sean T. Avery and Pavel Novak, HY11:Nov 78:1521:14190

Airfields
Air Transportation to Isolated Small Pacific Islands, Frank V. Hermann, MGC:July 80:22

Air Flow
Moisture and Air Flow in an Unsaturated Soil, V. Dakshanamurthy and D. G. Fredlund, SLS:June 80: 514

Air Injection
Destratification of Lakes Using Bubble Columns, C. Kranenburg, HY4:Apr 79:333:14498

Air Pollution
Aerodynamics in Air Pollution Modeling, Hua Wang and Henry Liu, TE2:Mar 80:171:15263
Air Pollutants from Sewage Sludge Incineration, Thomas T. Shen, EE1:Feb 79:61:14370
Air Pollution Aspects of Land Disposal of Toxic Wastes, Thomas T. Shen and T. James Tofflemire, EE1:Feb 80:211:15213
Air Quality Modeling of A Sewage Treatment Plant, Walter G. Hoydysh and Richard P. Barth, EE80: July 80:494
Anchorage's Response to the 1977 Clean Air Act Amendments, Leif G. Anderson and A. Reed Gibby, CAAA:Nov 79:20
The Arizona Inspection/Maintenance Program, R. Fred Iacobelli, CAAA:Nov 79:95
Atmospheric Sublayer Transport and Odor Control, George E. Wilson, Jerry Y.C. Huang and Terry W. Schroepfer, EE2:Apr 80:389:15358
Characterization of Ozone Episodes in Urban Air, Richard A. Wadden, Edgar D. Ross and Jimmie E. Quon, EE4:Aug 79:621:14733
Comments, Tim Lynch, CAAA:Nov 79:407
Complying with the 1977 Clean Air Act in Boston, Thomas F. Humphrey, UP1:Nov 80:1:15817
Data Base Use for Regional Environmental Planning, Lyman F. Wible, TE5:Sept 80:559:15677
Demonstration d-RDF Burn GSA Pentagon Power Plant, H. M. Freeman, Jay Campbell and M. A. Golembiewski, EE80:July 80:598

Digital Terrain Models in Civil Engineering Design, Robert N. Eli and Ronald W. Eck, CP80:June 80: 122
Dispersion Modeling in Time and Two Dimensions, Jonathan F. Henry and Edward G. Foree, EE6:Dec 79:1131:15054
Environmental Engineering Research Needs, CE:Oct 79:63
Identification of CO Hot Spots in Upstate New York, Ronald J. Piracci, CAAA:Nov 79:284
The Impact of EIS Requirements of Hawaii's Transportation Programs, Ryokichi Higashionna, MGC:July 80:204
Impact of Energy on Future Transportation Systems, Robert L. Maxwell, TE4:July 80:415:15562
The Impact of the Clean Air Act on Future Transportation, John O. Hidinger, CAAA:Nov 79:7
Including Air Quality in Transportation Decisions, John J. Roark, CAAA:Nov 79:37
Indirect Benefits of Cogeneration District Heating, Danilo J. Santini and Elliot P. Levine, Preprint No.80-672, Oct 80, 16pp.
Integration of Air Quality and Transportation Planning, Norman L. Cooper and John O. Hidinger, CAAA:Nov 79:56
Meteorological Impacts on Urban Sulfate Levels, William A. Turner and Constantine J. Gregory, EE2:Apr 80:311:15348
National Commission on Air Quality, Katherine Cudlipp, CAAA:Nov 79:396
Problems and Options in Financing Urban Transportation, Paul K. Dygert and James M. Holec, UT79A:July 79:220
The Puget Sound Air Quality Planning Process, Brent Carson and Max S. Power, CAAA:Nov 79: 382
Remarks of Dave Stockman, Martin Smith, CAAA: Nov 79:400
Stamford's Urban Renewal Project Takes Off, Eugene E. Dallaire, CE:Apr 79:82
Synfuel Facilities: Environmental Control Strategies, Warren H. Chesner and Howard Wiseman, EE80: July 80:504
Transportation Air Quality Planning — The Twin Cities Approach, Raymond W. Thron and David Braslau, CAAA:Nov 79:215
Transportation/Air Quality Planning in Small Areas, Thomas P. Kozlowski and George Schoener, CAAA:Nov 79:306
Transportation and the 1977 Clean Air Act Amendments — Conference Summary, Edward C. Sullivan, CAAA:Nov 79:1
Transportation in New Jersey and the Clean Air Act, James Newcomb, CAAA:Nov 79:114
Transportation Planners Join Battle for Cleaner Air, Ann E. Seltz-Petrash, CE:Nov 79:84
1977 Clean Air Act: Cheapest Way to Clean Up the Environment?, Eugene E. Dallaire, CE:Mar 79:85

Air Pollution Control

Analysis of Nonattainment Area Plan for TSP, C. Philip Arthur, CAAA:Nov 79:206
Comments, Tim Lynch, CAAA:Nov 79:407
Economic Analysis of Control Measures, Tymen W. Hofflander, CAAA:Nov 79:270
Identification of CO Hot Spots in Upstate New York, Ronald J. Piracci, CAAA:Nov 79:284
Marketplace Solutions to Air Pollution, Ann E. Seltz-Petrash, CE:Jan 80:68
National Commission on Air Quality, Katherine Cudlipp, CAAA:Nov 79:396
Packaging Transportation Measures for Air Quality, John H. Suhrbier, CAAA:Nov 79:138
Participation in Transportation — Air Quality Plans, Betty McCarty, CAAA:Nov 79:375
Planning for Transportation Control Measures in Washington, Philadelphia, Baltimore and Pittsburgh, Philip Shapiro, David Dunlap, John Ciaffey and Bruce Haultman, CAAA:Nov 79:43
The Puget Sound Air Quality Planning Process, Brent Carson and Max S. Power, CAAA:Nov 79: 382
Remarks of Dave Stockman, Martin Smith, CAAA: Nov 79:400
Sensitivity and Sensibility in Air Quality Models, Michael L. Hatmaker, CAAA:Nov 79:250
Technology Substitution for Air Quality Improvement, E. A. Deakin and H. W. Bruck, CAAA:Nov 79:357
The Transportation — Air Quality Planning Process, Gerard Soffian, John Filippelli and John C. Cosby, CAAA:Nov 79:126
Transportation/Air Quality Planning in Small Areas, Thomas P. Kozlowski and George Schoener, CAAA:Nov 79:306
Transportation and the 1977 Clean Air Act Amendments — Conference Summary, Edward C. Sullivan, CAAA:Nov 79:1
Transportation System and Control Measure Analysis of Air Quality Alternatives — The Los Angeles Basin Experience, David D. Knight and James D. Kellar, CAAA:Nov 79:189
1977 Clean Air Act: Cheapest Way to Clean Up the Environment?, Eugene E. Dallaire, CE:Mar 79:85

Air Pollution Costs

Marketplace Solutions to Air Pollution, Ann E. Seltz-Petrash, CE:Jan 80:68

Air Pollution Laws

Marketplace Solutions to Air Pollution, Ann E. Seltz-Petrash, CE:Jan 80:68

Airport Access

Access, Fares, Frequency: Effects on Airport Traffic, Richard deNeufville and Clifford R. King, TE2:Mar 79:109:14421

Airport Construction

Airports of Micronesia - Airline Considerations, Clifford T. Argue, MGC:July 80:34
Five Millions Square Foot Tent Roof, Fazlur R. Khan, John J. Zils and Mohammed Salem, CE:Dec 80:68
Problems in New Tokyo Airport, Manabe Shigeto and Sakai Katsuyuki, MGC:July 80:46

Airport Design

Computer-Aided Design and Drafting for Small Engineering Firms, Ann E. Seltz-Petrash, CE:Feb 80:56
Five Millions Square Foot Tent Roof, Fazlur R. Khan, John J. Zils and Mohammed Salem, CE:Dec 80:68
State Airport Planning and Financing, Owen Miyamoto, MGC:July 80:14

Airport Drainage

Atlanta's New Airport Terminal—One Year Early, Within Budget, CE:Nov 80:54

Airport Runways

Condition Evaluation of Jointed Concrete Airfield Pavement, Mohamed Y. Shahin, Michael I. Darter and Starr D. Kohn, TE4:July 80:381:15527
Field Studies of Airport Pavements on Expansive Clay, R. Gordon McKeen, SLS:June 80:242
Offshore Airport Environmental Impacts, Gordon A. Chapman, MGC:July 80:224

Airports

Access, Fares, Frequency: Effects on Airport Traffic, Richard deNeufville and Clifford R. King, TE2:Mar 79:109:14421
Airfield Pavement Demonstration-Validation Study, Donald M. Arntzen, Ernest J. Barenberg and Robert J. Krause, TE6:Nov 80:721:15813
Airports of Micronesia - Airline Considerations, Clifford T. Argue, MGC:July 80:34
Data Base Development at Maryland DOT, Dennis R. Atkins, CP80:June 80:363
Engineering Planning of Dike and Polder Airports, Frank T. Wheby, TE3:May 80:245:15417
Highways; Urban Transportation, CE:Jan 80:97
Honolulu International Airport Groundside Plan, Edward C. Stevenson and Julian Ng, MGC:July 80: 212

Honolulu International Airport Master Plan Study, Donald Maddison, MGC:July 80:65
Human Orientation in Transportation Terminals, John P. Braaksma and W. Jordan Cook, TE2:Mar 80:189:15274
Lake Erie Airport—Status Update, Cameron M. Smith, TE3:May 80:227:15410
Mexican Pacific Coast Airport System, Rodolofo Felix Valdes, Francisco J. Jauffred and Jesus Acosta Flores, MGC:July 80:378
Multi-Modal Transportation in Hawaii, E. Alvey Wright, MGC:July 80:1
Offshore Airport Environmental Impacts, Gordon A. Chapman, MGC:July 80:224
Problems in New Tokyo Airport, Manabe Shigeto and Sakai Katsuyuki, MGC:July 80:46
State Airport Planning and Financing, Owen Miyamoto, MGC:July 80:14
Transportation Needs - Northern Mariana Islands, Robert B. Deadwyler, Sr., MGC:July 80:268

Airport Site Selection
Lake Erie Airport—Status Update, Cameron M. Smith, TE3:May 80:227:15410

Airport Terminals
Air Terminal Design: Decentralization and Shape, John P. Braaksma and W. Alex Ramsay, TE6:Nov 79:699:14945
Atlanta's New Airport Terminal—One Year Early, Within Budget, CE:Nov 80:54
Five Millions Square Foot Tent Roof, Fazlur R. Khan, John J. Zils and Mohammed Salem, CE:Dec 80:68
Honolulu International Airport Groundside Plan, Edward C. Stevenson and Julian Ng, MGC:July 80:212
Human Orientation in Transportation Terminals, John P. Braaksma and W. Jordan Cook, TE2:Mar 80:189:15274

Air Quality Standards
Air Quality Modeling of A Sewage Treatment Plant, Walter G. Hoydysh and Richard P. Barth, EE80:July 80:494
Alcohol Fuel Impacts Upon Energy Conservation and Air Quality, J. Barrett Pullman, CAAA:Nov 79:341
An Analysis of Areawide TSM/Air Quality Actions, Tom K. Ryden and Stephen M. Howe, CAAA:Nov 79:169
Analysis of Nonattainment Area Plan for TSP, C. Philip Arthur, CAAA:Nov 79:206
Anchorage's Response to the 1977 Clean Air Act Amendments, Leif G. Anderson and A. Reed Gibby, CAAA:Nov 79:20
Are Environmental Regulations Attaining a Realistic Balance among Energy and Environmental Goals, Robert M. Jimeson and Robert Kane, EE1:Feb 79:121:14389
The Arizona Inspection/Maintenance Program, R. Fred Iacobelli, CAAA:Nov 79:95
Chlordane In Housing: An Example of Government Response to Indoor Air Quality Problems, Samuel Silberstein and Benigna S. Carroll, Preprint No.80-657, Oct 80, 11pp.
Comments on the Federal-Local Partnership in Transportation Air Quality Planning, Paul F. Maxwell, CAAA:Nov 79:33
Economic Analysis of Control Measures, Tymen W. Hofflander, CAAA:Nov 79:270
Identification of CO Hot Spots in Upstate New York, Ronald J. Piracci, CAAA:Nov 79:284
The Impact of the Clean Air Act on Future Transportation, John O. Hidinger, CAAA:Nov 79:7
Including Air Quality in Transportation Decisions, John J. Roark, CAAA:Nov 79:37
Integration of Air Quality and Transportation Planning, Norman L. Cooper and John O. Hidinger, CAAA:Nov 79:56
National Commission on Air Quality, Katherine Cudlipp, CAAA:Nov 79:396
Packaging Transportation Measures for Air Quality, John H. Suhrbier, CAAA:Nov 79:138
Participation in Transportation — Air Quality Plans, Betty McCarty, CAAA:Nov 79:375
Planning for Transportation Control Measures in Washington, Philadelphia, Baltimore and Pittsburgh, Philip Shapiro, David Dunlap, John Claffey and Bruce Haultman, CAAA:Nov 79:43
The Puget Sound Air Quality Planning Process, Brent Carson and Max S. Power, CAAA:Nov 79:382
Remarks of Dave Stockman, Martin Smith, CAAA:Nov 79:400
Rules of Thumb for Transportation/Air Quality Alternatives Analysis, Martin H. Weiss, CAAA:Nov 79:259
Selection of Air-Quality Models, A. L. Wilson and T. A. Peters, TC1:Apr 79:113:14494
Sensitivity and Sensibility in Air Quality Models, Michael L. Hatmaker, CAAA:Nov 79:250
Stationary and Mobile Source Controls and Tradeoffs, Salvatore J. Bellomo and Jawaharlal Mehra, CAAA:Nov 79:153
Technology Substitution for Air Quality Improvement, E. A. Deakin and H. W. Bruck, CAAA:Nov 79:357
The Transportation — Air Quality Planning Process, Gerard Soffian, John Filippelli and John C. Cosby, CAAA:Nov 79:126
Transportation Air Quality Planning — The Twin Cities Approach, Raymond W. Thron and David Braslau, CAAA:Nov 79:215
Transportation/Air Quality Planning in Small Areas, Thomas P. Kozlowski and George Schoener, CAAA:Nov 79:306
Transportation and the 1977 Clean Air Act Amendments — Conference Summary, Edward C. Sullivan, CAAA:Nov 79:1
Transportation Controls to Promote Air Quality: The San Francisco Bay Area Experience, Vincent Petrites, CAAA:Nov 79:179
Transportation in New Jersey and the Clean Air Act, James Newcomb, CAAA:Nov 79:114
Transportation System and Control Measure Analysis of Air Quality Alternatives — The Los Angeles Basin Experience, David D. Knight and James D. Kellar, CAAA:Nov 79:189
The Use of Photochemical Grid Models to Analyze Transportation Actions, Martin H. Weiss, CAAA:Nov 79:322

Air Routes
Air Transportation to Isolated Small Pacific Islands, Frank V. Hermann, MGC:July 80:22

Air Traffic
Continuous Dynamic Models for Traffic Indices, Neil W. Polhemus, TE6:Nov 79:639:14965
Honolulu International Airport Master Plan Study, Donald Maddison, MGC:July 80:65
Price Elasticities of Nonbusiness Air Travel Demand, Adib Kanafani, TE2:Mar 80:217:15294

Air Transportation
Air Transportation to Isolated Small Pacific Islands, Frank V. Hermann, MGC:July 80:22
Honolulu International Airport Groundside Plan, Edward C. Stevenson and Julian Ng, MGC:July 80:212
Honolulu International Airport Master Plan Study, Donald Maddison, MGC:July 80:65
The Japanese Travel Market, Kaysuya Nohara, MGC:July 80:28
Mexican Pacific Coast Airport System, Rodolofo Felix Valdes, Francisco J. Jauffred and Jesus Acosta Flores, MGC:July 80:378
Overview of DOE Programs for Energy Efficiency in Transportation, Richard T. Alpaugh and James S. Moore, MGC:July 80:148
Price Elasticities of Nonbusiness Air Travel Demand, Adib Kanafani, TE2:Mar 80:217:15294
Studying Route Structures in the Pacific, A. C. Busch and R. Woodruff, MGC:July 80:55

Air Water Interactions
Behavior of Auxiliary Intake of Ramganga Dam at Low Levels, Hari Mohan, Heramb D. Sharma, Dharam V. Varshney and Shivaraj S. Tiagi, HY7: July 77:753:13091
Wind Setup Effects in Large Open Channels, Johannes J. DeVries and Jaime Amorocho, WW3: Aug 80:319:15608

Alabama
Hurricane Impact at Dauphin Island, Alabama, Shea Penland, Dah Nummedal and William E. Schramm, CZ80:Nov 80:1425
Windspeed Analysis of 1977 Birmingham Tornado, George E. Ramey and Roy C. Johnson, Jr., ST9: Sept 80:1867:15679

Alaska
Alaska's Native Log Bridges, Frank W. Muchmore and Roger L. Tuomi, CE:Feb 80:54
Alaska Water Quality Standards and BMPs, John D. Stednick, IRKB:July 80:721
Anchorage's Response to the 1977 Clean Air Act Amendments, Leif G. Anderson and A. Reed Gibby, CAAA:Nov 79:20
Coastal Management Planning in Anchorage, Alaska, Anthony Burns, CZ80:Nov 80:1750
Design of Deep Foundations in Discontinuous Permafrost, Arvind Phukan, Preprint No.80-122, Apr 80, 21pp.
Federal Consistency—Is It Working? A Perspective From the Pacific Northwest, Donald E. Lawyer, CZ80:Nov 80:2123
Management of Coastal Resources In Arctic Alaska, Gretchen Keiser and Wayne Pichon, CZ80:Nov 80: 1481
The Pactex Project: Any Lessons Learned?, Richard M. Donaldson and F. Harlan Flint, Jr., CZ80:Nov 80:365
Port Valdez Environmental Studies: 1976-1978, Joseph M. Colonell, EE5:Oct 80:907:15738
Problems Facing Alaska Outer Continental Shelf Resource Development, Robert J. Brock, Raymond R. Emerson and Gordon M. Euler, CZ80:Nov 80: 1112
Sitka Coastal Habitat Evaluation, Kimbal A. Sundberg, CZ80:Nov 80:514

Alcohol Effects
The Vehicle Operator in the Safety Equation, Elmer Brown, HW80:Mar 80:29

Alcohols
Alcohol Fuel Impacts Upon Energy Conservation and Air Quality, J. Barrett Pullman, CAAA:Nov 79:341

Alfalfa
Water Use Efficiency: A Case Study In NW Nevada, Johannes C. Guitjens, IRKA:July 80:365

Algae
Head-Loss Measurements on Hydroelectric Conduits, T. Maxwell Brett, HY1:Jan 80:173:15109
Index To Evaluate Lake Restoration, Donald B. Porcella, Spencer A. Peterson and David P. Larsen, EE6:Dec 80:1151:15893
Modeling Pollution in Strait of Maracaibo, Gustavo Parra-Pardi, EE5:Oct 80:959:15751
Nutrient Budget Analysis for Rend Lake in Illinois, Veerasamy Kothandaraman and Ralph L. Evans, EE3:June 79:547:14616
Reservoir Metalimnion Oxygen Demands, John A. Gordon and Basil A. Skelton, EE6:Dec 77:1001: 13437
Saturation Kinetics for Preferential Nitrogen Uptake, David S. Bowles and William J. Grenney, TN: EE4:Aug 80:833:15588
Settling Rates of Algae from Wastewater Lagoons, Susan E. Stutz-McDonald and Kenneth J. Williamson, EE2:Apr 79:273:14519
Simplified Diurnal Curve Analysis, John B. Erdmann, EE6:Dec 79:1063:15026
Upgrading Lagoon Effluents with Rock Filters, Gregory R. Swanson and Kenneth J. Williamson, EE6:Dec 80:1111:15887

Algal Control
Remote Sensing that Motivated Community Action, Roland H. Brownlee, James P. Scherz and James M. Dennis, AS80:Aug 80:60

Alginates
Marine Kelp: Energy Resource in Coastal Zone, Ronald L. Ritschard and Kendall F. Haven, CZ80: Nov 80:967

Algorithms
Algorithms for Interactive Structural Analysis, Yehonathan Hazony and Lawrence E. Zeidner, CP80:June 80:257
Soap Films, Steiner Trees and Water Systems, Chan F. Lam and Pramod R. Bhave, HYCO:Aug 80:221

Alignment
Embankments Through Cross River Swamp, Roger Foott, Dan Devecseri, C. N. Aneke, J. O. Jackson and Charles C. Ladd, GT3:Mar 80:219:15288

Alkaline Soils
Rain Water Management for Low Land Rice Cultivation in India, V. V. Dhruva Narayana, IR1: Mar 79:87:14430

Allocations
Advanced Waste Treatment Investments, George K. Young, EE4:Aug 80:681:15597
Wave Overtopping and Urban Stormwater Drainage In Hull, Massachusetts, Jonathan A. French, HYUS:June 80:336

Alluvial Channels
Aggradation in Streams Due to Overloading, Jagdish P. Soni, Ramachandra J. Garde and Kittur G. Ranga Raju, HY1:Jan 80:117:15147
Convergence of Implicit Bed Transient Models, Victor Miguel Ponce, Horst Indlekofer and Daryl B. Simons, HY4:Apr 79:351:14493
Geomorphic Evidence of Frequent and Extreme Floods, James C. Knox, EFHYF:Mar 79:220
Modeling Alluvial Channel Bed Transients, Victor Miguel Ponce, Jesus Lopez Garcia and Daryl B. Simons, HY3:Mar 79:245:14456
Sediment-Morphology Relations of Alluvial Channels, Waite R. Osterkamp, IRKB:July 80:188
Session IV—Non-Meteorologic Data, William R. Boggess, EFHYF:Mar 79:422

Alluvial Deposits
Aquifer Tests at San Lorenzo Dam, El Salvador, Jing-Yea Yang and Sanford I. Strausberg, HYCO: Aug 80:119
Changes to a Flood Plain Caused by Gold Dredging, W. A. Morris, ASDC:80:220
Materials Availability Study of the Dickey-Lincoln Dam Site, Carolyn J. Merry, Harlan L. McKim and Edwin A. Blackey, Jr., ASDC:80:158

Alluvial Fans
Flood Frequency Estimates on Alluvial Fans, David R. Dawdy, HY11:Nov 79:1407:15001

Alluvial Streams
Sand Bed Instability Due to Bed Load Motion, Hiroji Nakagawa and Tetsuro Tsujimoto, HY12:Dec 80: 2029:15936
Suspended Load from Error-Function Models, Joe C. Willis, HY7:July 79:801:14684

Alluvium
Aquifer Tests at San Lorenzo Dam, El Salvador, Jing-Yea Yang and Sanford I. Strausberg, HYCO: Aug 80:119

Alumina
Water Defluoridation with Activated Alumina, Yeun C. Wu and Anan Nitya, EE2:Apr 79:357:14544

Aluminum
New Aluminum Structural Materials for the 1980's, William F. Bates, Jr., TE6:Nov 80:845:15859

Alums
Mathematical Modeling of Humic Substances Removal with Activated Carbon Beds, Michael C. Lee, John C. Crittenden, Vernon L. Snoeyink and William E. Thacker, EE80:July 80:387

Ambient Air Quality
Are Environmental Regulations Attaining a Realistic Balance among Energy and Environmental Goals, Robert M. Jimeson and Robert Kane, EE1:Feb 79: 121:14389

Ammonia
Modeling Framework to Address AWT Decisions, Thomas W. Gallagher and Richard P. Winfield, EE80:July 80:604
OTEC-1, Extracting Energy from the Ocean, H. D. Ramsden and N. A. Svensen, Preprint No.80-079, Apr 80, 21pp.
USGS Sharpening Water-Quality Management Tools, Phillip E. Greeson, CE:Feb 79:92

Amortization
Pumping Energy Reduction by Modified Cost Analysis, Shu-Tung Chu, TN: IR2:June 80:149: 15450

Amplitude
Torsional Vibration Tests on Embedded Footings, K. S. Sankaran, N. R. Krishnaswamy and P. G. Bhaskaran Nair, TN: GT3:Mar 80:325:15262
Transient Propagation in Slurries with Hold-Up, A. R.D. Thorley, HY8:Aug 80:1353:15641

Anadromous Fish
Effect of Out-Of-Basin Water Diversions on Instream Flow Needs, Wayne S. Gentry, IRKA:July 80:52
Modeling of Sediment Transport in Cottonwood Creek, Alan L. Prasuhn and Edward F. Sing, HYCO:Aug 80:209
Riverbed Improves over Time: South Fork Salmon, Walter F. Megahan, William S. Platts and Bert Kulesza, IRKB:July 80:380
South Fork Salmon River—Future Management, Gene F. Cole and Walter F. Megahan, IRKB:July 80:396

Anaerobic Digestion
Anaerobic Digestion of Cannery Tomato Solid Wastes, David J. Hills and Ronald S. Dykstra, EE2:Apr 80:257:15318
Anaerobic Digestion of Waste and Activated Sludge, James M. Gossett and Roy L. Belser, EE80:July 80:33
Cost Interactions in Activated Sludge Systems, Michael K. Stenstrom and John F. Andrews, EE4: Aug 80:787:15627
Digester Gas Utilization Programs, Raymond R. Rimkus, John M. Ryan and Alfred J. Michuda, EE6:Dec 80:1071:15902
Low Temperature Anaerobic Digestion of Swine Manure, Mark A. Stevens and Dennis D. Schulte, EE1:Feb 79:33:14340
Modeling Toxicity in Methane Fermentation Systems, Gene F. Parkin and Richard E. Speece, EE80:July 80:288

Anaerobic Processes
Lime Use in Anaerobic Filters, Graham J. Brown, Kuran-Chow Lin, Robert C. Landine, Albert A. Cocci and Thiruvenkatachari Viraraghavan, TN: EE4:Aug 80:837:15588

Analog Models
Minicomputers in Full-Scale Structural Testing, Suresh G. Pinjarkar and Otto C. Guedelhoefer, TC1:Apr 79:103:14497

Analogs
Tidal Hydraulics in Estuarine Channels, Robert M. Snyder, HY2:Feb 80:237:15202

Analysis
Construction Cost Estimating in the Design Process, George S. Birrell, CO4:Dec 80:551:15880
Large Deformation Analysis of Submerged Ring Frames, Howard B. Harrison, EM5:Oct 79:829: 14913
Steady and Oscillating Drift Forces on Floating Objects, Subrata K. Chakrabarti, WW2:May 80:205: 15390
Tall Building Response to Earthquake Excitations, Jann-Nan Yang, Y. K. Lin and S. Sae-Ung, EM4: Aug 80:801:15642

Analytical Techniques
Analytical-Numerical Computation of Infiltration, Antonis D. Koussis and Siu-Lun Chow, IR2:June 80:123:15494
Computer Analysis of Newtown Creek Culvert, Ching S. Chang, Julio M. Espinoza and Ernest T. Selig, GT5:May 80:531:15438
Equivalent Frame Analysis for Lateral Loads, M. Daniel Vanderbilt, ST10:Oct 79:1981:14931
Seismic Study Of Imperial County Services Building, Mehdi Saiidi, EM81:Jan 81:431

Anchor Bolts
Fatigue Strength of Anchor Bolts, Karl H. Frank, ST6:June 80:1279:15465

Anchoring
Effects of Directional Sea In Model Testing, J. Kirkegaard, S. E. Sand, N.-E. Ottesen Hansen and M. Hvidberg Knudsen, PO80:May 80:597

Anchor Piles
Load Tests on Piles Driven into Cretaceous Sand, Richard E. Ackley and Richard L. Sanders, GTDF: 80:1

Anchors
Embedment Anchors Subjected to Repeated Loading, Andreas Andreadis, Roger C. Harvey and Eldon Burley, TN: GT7:July 78:1033:13867
Forces on Block Bodies Accelerating in Still Fluid, Derek G. Goring and Fredric Raichlen, WW2:May 79:171:14582
Yielding Load of Anchor in Sand, Miam Chang Wang and Arthur H. Wu, Preprint No.80-618, Oct 80, 14pp.

Anemometers
Transitional Periodic Boundary Layer Study, B. R. Ramaprian and A. Mueller, HY12:Dec 80:1959: 15908

Animal Groupings
Construction Cost Control by the Owner, Alfred C. Maevis, CO4:Dec 80:435:15915

Anion Exchange
Organics Removal by Ion Exchange-Process Design, Christine Ann Macko and Walter J. Maier, EE80: July 80:394

Anisotropic Soils
Strength Anisotropy of Layered Soil System, M. Krishna Murthy, T. S. Nagaraj and A. Sridharan, TN: GT10:Oct 80:1143:15724

Anisotropy
Anisotropic Shear Modulus due to Stress Anisotropy, Stephan K. Roesler, GT7:July 79:871:14692
Anisotropic Skew Plates and Grids, Mahendrakumar R. Vora and Hudson Matlock, EM2:Apr 79:237: 14511
Anisotropic Undrained Stress-Strain Behavior of Clays, Jean-Herve Prevost, GT8:Aug 78:1075: 13942

Ballistic Pendulums and Dynamic Testing of Clays, Farrokh N. Screwvala and Raj P. Khera, GT8:Aug 79:927:14772
Soil as an Anisotropic Kinematic Hardening Solid, W. D. Liam Finn and Geoffrey R. Martin, Preprint No.80521, Oct 80, 19pp.
Undrained Shear Tests on Clays, Jean-Herve Prevost, GT1:Jan 79:49:14311
Viscoplasticity of Transversely Isotropic Clays, Zdenek P. Bazant, Atilla M. Ansal and Raymond J. Krizek, EM4:Aug 79:549:14738

Annular Shear Tests
Vibrations of Annular Plates of Variable Thickness, Carl T. Dyka and John F. Carney, III, EM3:June 79:361:14638

Antecedent Precipitation
Runoff Curve Numbers with Varying Site Moisture, Richard H. Hawkins, IR4:Dec 78:389:14254

Antennas
Guyed Towers Under Arbitrary Loads, Felix Rosenthal and Richard A. Skop, ST3:Mar 80:679:15247

Antitrust Laws
Competition and Professional Ethics, Richard J. Favretto, EI3:July 79:137:14700

Aorta
Optimal Design of Aortic Leaflet Prosthesis, Dhanjoo N. Ghista, Helmut Reul, Gautam Ray and K. B. Chandran, EM1:Feb 78:97:13521

A.P. Greensfelder Construction Prize
Seepage Cutoff Wall Installed Through Dam is Construction First, Frank B. Couch, Jr. and Arturo L. Ressi di Cervia, CE:Jan 79:62

Application Methods
Development And Use Of Force Pulse Train Generators, Frederick B. Safford and Sami F. Masri, EM81:Jan 81:72
Explicit Sprinkler Irrigation Uniformity: Efficiency Model, Wynn R. Walker, IR2:June 79:129:14608

Applications of Mathematics
Dispersion Modeling in Time and Two Dimensions, Jonathan F. Henry and Edward G. Foree, EE6:Dec 79:1131:15054

Approximation
Engineering Approximations for the Dynamic Behaviour of Deeply Embedded Foundations, A. P. S. Selvadurai and M. Rahman, EM81:Jan 81:361

Approximation Method
Approximate Analysis of Rigid Frames, John T. DeWolf, Preprint No.80-549, Oct 80, 12pp.
Approximate Approach to Contact Effects of Piles, Milos Novak and Mohammed Sheta, GTA80:Oct 80:53
Approximate Relaxation Function for Concrete, Zdenek P. Bazant and Sang-Sik Kim, ST12:Dec 79:2695:15083
Approximate Stiffness Analysis of High-Rise Buildings, Ali A.K. Haris, ST4:Apr 78:681:13700
Estimating Earthquake Response of Simple Hysteretic Structures, Wilfred D. Iwan and Nathan C. Gates, EM3:June 79:391:14644
Local Buckling of Cold-Formed Steel Members, Venkatakrishnan Kalyanaraman, ST5:May 79:813:14578

Aquaculture
Aquaculture Systems for Wastewater Treatment, Edward R. Pershe, EE80:July 80:103

Aquatic Environment
Riverbed Improves over Time: South Fork Salmon, Walter F. Megahan, William S. Platts and Bert Kulesza, IRKB:July 80:380

Aquatic Habitats
South Fork Salmon River—Future Management, Gene F. Cole and Walter F. Megahan, IRKB:July 80:396

Aquatic Plants
Aquaculture Systems for Wastewater Treatment, Edward R. Pershe, EE80:July 80:103
Aquatic Plant Mapping by Remote Sensing, Lewis E. Link, Jr. and K. S. Long, ASDC:80:34
Head-Loss Measurements on Hydroelectric Conduits, T. Maxwell Brett, HY1:Jan 80:173:15109
Index To Evaluate Lake Restoration, Donald B. Porcella, Spencer A. Peterson and David P. Larsen, EE6:Dec 80:1151:15893
Monitoring Aquatic Plants in Reservoirs, Arthur R. Benton, Jr., Carolyn A. Clark and Wallace W. Snell, TE4:July 80:453:15551
Monitoring Noxious Plant Spread in Reservoirs, Arthur R. Benton, Jr., ASDC:80:21
Nutrient-Uptake Model in Marsh Ecosystems, Lawrence A. Burns and R. Bruce Taylor, III, TC1:Apr 79:177:14540
Submersed Aquatic Vegetation in the Tidal Potomac, Virginia Carter, James E. Paschal, Jr. and G. Michael Haramis, CZ80:Nov 80:1537

Aquatic Weeds
Monitoring Aquatic Plants in Reservoirs, Arthur R. Benton, Jr., Carolyn A. Clark and Wallace W. Snell, TE4:July 80:453:15551

Aqueducts
Central Arizona Project: Operations Model, William W-G. Yeh, Leonard Becker, Douglas Toy and Albert L. Graves, WR2:July 80:521:15573
Optimal Design of Gravity Flow Water Conduits, Roberto Canales-Ruiz, HY9:Sept 80:1489:15714

Aquifer Characteristics
Nonsteady Flow to Nonpenetrating Well, Rameshwar S. Kanwar, Howard P. Johnson and Herandra S. Chauhan, IR1:Mar 79:45:14458
SIND Modeling for Unsteady Flow Assessments, Joel L. Caves and Robert L. Johnson, HYCO:Aug 80:281
Storage Coefficients from Ground-Water Maps, Brij M. Sahni and Harbhajan S. Seth, IR2:June 79:205:14658

Aquifers
Aquifer Diffusivity from Noisy Boundary Data, Budhi Sagar and Sita Ram Singh, HY8:Aug 79:943:14765
Aquifers: Finite-Element Linear Programming Model, K. Elango and Gerhard Rouve, HY10:Oct 80:1641:15734
Artificial Recharge in South Platte River Basin, Loren K. Weston and Robert E. Swain, IR2:June 79:117:14606
The Chicago Region's Valuable Water Resources, Clint J. Keifer, WR2:July 80:541:15569
Confined Flow in Aquifer Containing Thin Layer, Charles W. Lenau, EM4:Aug 80:719:15630
Dade County's Plan for Aquifer Management, Douglas Yoder, Paula Church, Jorge Rodriguez and Anthony Clemente, Preprint No.80-577, Oct 80, 14pp.
Determination of Aquifer Transport Parameters, Gunter Hibsch and Andrzej Kreft, HY9:Sept 79:1137:14833
Dual Recharge Well for Water Supply Stabilization, William H. Fleming, Jr. and Gerald E. Speitel, EE80:July 80:257
Establishing Ground Water Rights Using a Model, James W. Naney and Douglas C. Kent, IRKB:July 80:117
Ground and Surface Water Interaction—Legal Aspects, William E. Kelly, WR1:Mar 80:55:15234
Ground-Water Management with Fixed Charges, Eduardo Aguado and Irwin Remson, WR2:July 80:375:15521
Groundwater Recharge: Economic Benefit Quantified, Lonnie D. Schardt, IRKB:July 80:129

Mass Transport in Regional Groundwater Basins, Thomas G. Naymik and Lewis D. Thorson, HYCO: Aug 80:407
Nonsteady Flow to Nonpenetrating Well, Rameshwar S. Kanwar, Howard P. Johnson and Herandra S. Chauhan, IR1:Mar 79:45:14458
Perturbation Solutions for Water-Table Aquifers, Edmund A. Prych, TN: HY4:Apr 80:603:15305
Practical Problems of Confined-Aquifer Test Analyses, Jack E. Kelly, Keith E. Anderson and W. L. Burnham, Preprint No.80-157, Apr 80, 8pp.
Preparation of Friable Aguiferous Specimens, Paul Francis Worthington, TN: HY2:Feb 80:333:15165
Remote Sensing Study of Sinkhole Occurrence, Jay W. Casper, Byron E. Ruth and Janet D. Degner, AS80:Aug 80:1
Reservoir-Aquifer Interaction, Zachary M. Kasomekera and James N. Luthin, IRKA:July 80: 120
Singularities in Darcy Flow Through Porous Media, Olurinde E. Lafe, J. Sergio Montes, Alexander H-D. Cheng, James A. Liggett and Philip La-Fan Liu, HY6:June 80:977:15467
Storage of Freshwater in Saline Aquifers, Satya P. Singh and Valdali V.N. Murty, IR2:June 80:93: 15476
Transient Reservoir-Aquifer Interaction, Antonis D. Koussis, HY6:June 79:637:14630
Water Resources Implications of Energy Development, Jeffrey S. Mahan and Jay D. White, EY1:Apr 80:45:15366

Aquifer Tests
Aquifer Tests at San Lorenzo Dam, El Salvador, Jing-Yea Yang and Sanford I. Strausberg, HYCO: Aug 80:119

Arbitration
Contractual Arrangements—A, Carroll H. Dunn, CRLS:Jan 79:II-85
Contractual Arrangements—B, John P. Gnaedinger, CRLS:Jan 79:II-95
Contractual Arrangements—C, Max E. Greenberg, CRLS:Jan 79:II-100
Contractual Arrangements for Construction, Louis W. Riggs, CRLS:Jan 79:I-101
Report on Improving Construction Arbitrations, John W. Nichols, Chmn., CO1:Mar 79:1:14414
Risks and Liabilities in Engineering Practice, John P. Gnaedinger, Walter E. Hanson and Narbey Khachaturian, EI4:Oct 79:207:14920

Archaeology
Allocation of Risks—E, Woodrow W. Wilson, CRLS: Jan 79:II-73
Archeological Resources, Planning, and Construction, Are Tsirk, CO1:Mar 79:79:14439
Preservation of Historic Sites During Construction, Ward F. Weakly, CO3:Sept 80:351:15690
Remote Sensing in Archaeological Sampling Designs, Robert C. Dunnell, TE3:May 80:349:15428

Arches
Arch Culvert Footing Movements, Raymond E. Davis, Henry D. Nix and Alfred E. Bacher, ST4: Apr 79:729:14491
Arch Culvert Research—Phase 3, Raymond E. Davis, Henry D. Nix and Alfred E. Bacher, ST4:Apr 79: 739:14492
Arch Optimization Using Prager-Shield Criteria, George I.N. Rozvany, Wang Chien Ming and Murray Dow, EM6:Dec 80:1279:15914
Deformation of Arches: Elastic Buckling Behavior, Frank Van der Woude and Brian F. Cousins, ST12: Dec 79:2677:15086
General Imperfection Analysis in Shallow Arches, Cenap Oran, EM6:Dec 80:1175:15907
Optimal Design of Arches Using the Complex Method, Samuel L. Lipson and Muhammad I. Haque, ST12:Dec 80:2509:15947
Wood Arch Relamination by Epoxy Grouting, Ronald F. Silva, Preprint No.80-531, Oct 80, 14pp.

Architects
A/E Use of Computer Aids on Federal Projects, Ronald L. King, CP80:June 80:562

Architecture
Air Terminal Design: Decentralization and Shape, John P. Braaksma and W. Alex Ramsay, TE6:Nov 79:699:14945
Cladding Failures — Lack of a Professional Interface, Jerry G. Stockbridge, TC2:Dec 79:307:15085

Arctic Engineering
Floating Ice Platforms: Offshore Oil Exploration, D. M. Masterson and H. R. Kivisild, ST1:Jan 80:133: 15101

Arctic Regions
Deep Water Renewal in a Subarctic Fjord, Joseph M. Colonell, Preprint No.80-046, Apr 80, 12pp.
Design of an LNG Terminal in Canada's High Arctic, Alvin F. McDonald, PO80:May 80:489
Floating Ice Platforms: Offshore Oil Exploration, D. M. Masterson and H. R. Kivisild, ST1:Jan 80:133: 15101
Management of Coastal Resources In Arctic Alaska, Gretchen Keiser and Wayne Pichon, CZ80:Nov 80: 1481

Areal
Comparison of Areal Snow Sampling Procedures, Walter J. Rawls, Thomas J. Jackson and J. F. Zuzel, IRKB:July 80:356

Area Redevelopment
Tax Policies in Core Area Improvement Program, T. William Patterson and Kumares C. Sinha, UP2:Nov 79:129:14967

Arid Lands
Water Supply Planning Model for West Africa, Paul H. Kirshen, WR2:Sept 79:413:14861

Arizona
Analysis of Nonattainment Area Plan for TSP, C. Philip Arthur, CAAA:Nov 79:206
The Arizona Inspection/Maintenance Program, R. Fred Iacobelli, CAAA:Nov 79:95
Central Arizona Project: Operations Model, William W-G. Yeh, Leonard Becker, Douglas Toy and Albert L. Graves, WR2:July 80:521:15573
New Telescope has Innovative Structural Design, CE: June 80:76
The PMD Program—One State's View, Roger L. Hatton, HW80:Mar 80:149
Value Engineering and Cement-Bentonite Cutoff Wall Save Dam Project for Arizona Indian Tribe, Eugene A. Miller and Gary S. Salzman, CE:Aug 80:51
Water for the Valley of the Sun, William W. Reedy, WR2:July 80:477:15544

Armoring (Streambed)
Armored Versus Paved Gravel Beds, Dale I. Bray and Michael Church, TN: HY11:Nov 80:1937: 15791
Low Sediment Transport Rates Over Flat Beds, Peter A. Mantz, HY7:July 80:1173:15526
Modeling of Sediment Transport in Cottonwood Creek, Alan L. Prasuhn and Edward F. Sing, HYCO:Aug 80:209

Army
Installation Restoration—An Army Initiative, Frank A. Jones, Jr., Donald K. Emig and John P. Glennon, EE80:July 80:571

Aromatic Hydrocarbons
Air Pollution Aspects of Land Disposal of Toxic Wastes, Thomas T. Shen and T. James Tofflemire, EE1:Feb 80:211:15213

Arsenic
Fluoride, Nitrate, Arsenic, and Selenium Removal From Small Community Water Supplies, Dennis Clifford, Maheyar Bilimoria, Gurinder Singh and Tom Sorg, EE80:July 80:514

Arterial Highways
The AAP: A Package of Arterial Analysis Programs, Gary Euler, Ken Courage and Steve Shapiro, CP80: June 80:560

Arthur M. Wellington Prize
Fatigue of Steel Beams by Simulated Bridge Traffic, Charles G. Schilling and Karl H. Klippstein, ST8: Aug 77:1561:13123
Subway Designs and Construction Methods That Cut Costs, James A. Birkmyer, CE:Oct 78:62

Artificial Islands
Diffraction of Water Waves by Isolated Structures, Volker W. Harms, WW2:May 79:131:14561
Geotechnical Aspects of Rubble-Mound Coastal Structures, Donald D. Treadwell, Albert P. Ridley and Orville T. Magoon, PO80:May 80:801
Offshore Artificial Islands — Energy Ports of the Future?, Eugene Chesson, PO80:May 80:61

Artificial Recharge
Artificial Recharge in South Platte River Basin, Loren K. Weston and Robert E. Swain, IR2:June 79:117:14606
Use of Highly-Treated Wastewater to Recharge the Ground-Water Reservoir in Nassau County, Long Island, New York, David A. Aronson, EE80:July 80:214

Asbestos Cement
Evaluation of Fracture Techniques in Cementitious Composites, K. Visalvanich and Antoine E. Naaman, FIC:Oct 80:65

ASCE (Activities)
America's Energy Future—A Primer and Discussion of Options, Kneeland A. Godfrey, Jr., CE:Sept 79: 104

ASCE (Awards & Prizes)
Award for 1980 to be given this Month: Moffatt-Nichol Award, CE:Oct 80:152
Award for 1980 to be given this Month: Rowland Prize, CE:Oct 80:152
Award for 1980 to be given this Month: Terzaghi Award, CE:Oct 80:152
Award for 1980 to be given this Month: Rickey Medal, CE:Oct 80:152
Award for 1980 to be given this Month: Bartholomew Award, CE:Oct 80:154
Award for 1980 to be given this Month: Masters Award, CE:Oct 80:154
Award for 1980 to be given this Month: Among the Missing, CE:Oct 80:154
Awards for 1980 to be given this Month: Norman Medal, CE:Oct 80:144
Awards for 1980 to be given this Month: State-of-the-Art, CE:Oct 80:144
Awards for 1980 to be given this Month: Management Award, CE:Oct 80:146
Awards for 1980 to be given this Month: Laurie Prize, CE:Oct 80:146
Awards for 1980 to be given this Month: Hinds Award, CE:Oct 80:146
Awards for 1980 to be given this Month: Croes Medal, CE:Oct 80:146
Awards for 1980 to be given this Month: Moisseiff Award, CE:Oct 80:146
Awards for 1980 to be given this Month: Reese Prize, CE:Oct 80:147
Awards for 1980 to be given this Month: Lin Award, CE:Oct 80:147
Awards for 1980 to be given this Month: Huber Prize, CE:Oct 80:147
Awards for 1980 to be given this Month: History & Heritage, CE:Oct 80:148
Awards for 1980 to be given this Month: Noble Prize, CE:Oct 80:148
Awards for 1980 to be given this Month: von Karman Medal, CE:Oct 80:148
Awards for 1980 to be given this Month: Newmark Medal, CE:Oct 80:148
Awards for 1980 to be given this Month: Freudenthal medal, CE:Oct 80:150
Awards for 1980 to be given this Month: Stevens Award, CE:Oct 80:150
Awards for 1980 to be given this Month: Hilgard Prize, CE:Oct 80:150
Awards for 1980 to be given this Month: Tipton Award, CE:Oct 80:150
Awards for 1980 to be given this Month: Porraz Award, CE:Oct 80:152
Awards for 1980 to be given this Month: Bechtel Award, CE:Oct 80:152
Correction of Bidding Errors: The Belgian Solution, Frans Van Cauwelaert and Ernst Heynig, CO1:Mar 79:13:14411
TVA's Pumped Storage Plant, CE:June 80:84

ASCE (Board of Direction)
Opportunities in Engineering and Construction Entrepreneurship for Minorities, ASCE Board of Direction, EI2:Apr 79:77:14520

ASCE (Code of Ethics)
New Columbia River Bridge Will Ease Traffic Problems, CE:Mar 80:83

ASCE (Committees)
Contractual Arrangements—D, Sammie D. Guy, CRLS:Jan 79:II-108
Fledgling Standards-Writing Program: Progress Report, CE:Mar 79:80
Journal-Paper Review Statistics, William F. Marcuson, III, Chmn., GT4:Apr 80:341:15369
Policy Issues of Importance to Offshore Development, William S. Gaither, PO80:May 80:1

ASCE (Conferences)
Bridge Innovation Conference Held, CE:Oct 80:164
Broadening Horizons in Transportation is subject of Pacific Conference, CE:Oct 80:154
Introduction, John G. Kunna, HW80:Mar 80:1
Underground Engineers gather at UTRC Meeting, CE:Oct 80:162
U.S. Energy Future - Will We Make the Hard Decisions?, CE:Jan 80:73
101 Uses for Earth Reinforcement, Michael J. Bartos, Jr., CE:Jan 79:51

ASCE (Education)
ASCE Engineering Management Continuing Education Program: An Overview, R. Lawrence Whipple,, Jr., EI2:Apr 80:97:15353
Continuing Education in Engineering—What's New?, Kneeland A. Godfrey, Jr., CE:Feb 80:68
Professional Reference Program, Gerard Cunningham, EI2:Apr 80:107:15354

ASCE (Employment Conditions)
Minority Entrepreneurship - The ASCE Position, George J. Kral, EI3:July 80:211:15541

ASCE (Ethics)
Competition and Professional Ethics, Richard J. Favretto, EI3:July 79:137:14700
Ethical Considerations in Computer Use, Charles F. Beck, Chmn., TC2:Dec 79:415:15056
The Ethics of Maintaining Continued Professional Competence, John S. Bruce, EI2:Apr 79:85:14545
Public Obligation and the Ethics System, William H. Wisely, EI3:July 79:131:14685
When in Rome Do as the Romans: Should the Professional and Business Ethics of American Engineers be a Function of the Country in which They Practice, A. Colin Lauchlan, EI3:July 79:167: 14719

ASCE (Honorary Members)
Ten are Elevated to ASCE Honorary Membership, CE:Oct 80:141
Ten are Elevated to ASCE Honorary Membership, CE:Oct 80:141
Ten are Elevated to ASCE Honorary Membership, CE:Oct 80:141
Ten are Elevated to ASCE Honorary Membership, CE:Oct 80:142
Ten are Elevated to ASCE Honorary Membership, CE:Oct 80:142
Ten are Elevated to ASCE Honorary Membership, CE:Oct 80:142
Ten are Elevated to ASCE Honorary Membership, CE:Oct 80:143
Ten are Elevated to ASCE Honorary Membership, CE:Oct 80:143
Ten are Elevated to ASCE Honorary Membership, CE:Oct 80:143
Ten Elevated to ASCE Honorary Membership, CE: Oct 80:142

ASCE (Members)
ASCE Energy Action Program: Progress Report, CE: Jan 80:75
Engineering Editor Rehfield Dies, CE:Nov 80:71
Friedkin Receives Army Award, CE:Oct 80:164
Gibbs Gets Top AAEE Award, CE:Dec 80:80

ASCE (Membership)
Journal-Paper Review Statistics, William F. Marcuson, III, Chmn., GT4:Apr 80:341:15369

ASCE (National Affairs)
The Long Road to Regulatory Reform, CE:Mar 80: 95
The Role of ASCE in Influencing Public Policy on Controversial Technical Issues, Karen Kirk, EI4:Oct 80:415:15780

ASCE (Officers)
Sims is New ASCE President-Elect; Nine Other National Offices Filled, CE:Oct 80:142
Sims is New ASCE President-Elect; Nine Other National Offices Filled, CE:Oct 80:142
Sims is New ASCE President-Elect; Nine Other National Offices Filled, CE:Oct 80:143
Sims is New ASCE President-Elect; Nine Other National Offices Filled, CE:Oct 80:143
Sims is New ASCE President-Elect; Nine Other National Offices Filled, CE:Oct 80:143
Sims is New ASCE President-Elect; Nine Other National Offices Filled, CE:Oct 80:144
Sims is New ASCE President-Elect; Nine Other National Offices Filled, CE:Oct 80:144
Sims is New ASCE President-Elect; Nine Other National Offices Filled, CE:Oct 80:144
Sims is New ASCE President-Elect; Nine Other National Offices Filled, CE:Oct 80:144

ASCE (Outstanding Civil Engineering)
Cognac: World's Tallest Offshore Oil Platform, Allen Morrison, CE:June 80:55
Washington METRO: A People's Eye View, Ann E. Seltz-Petrash, CE:June 79:59
$20 Million for Billet Grinding Eliminates Waste, CE:June 79:64

ASCE (Policy)
Fledgling Standards-Writing Program: Progress Report, CE:Mar 79:80
The Long Road to Regulatory Reform, CE:Mar 80: 95
Maintaining Competence in Engineering, E. Montford Fucik, EI2:Apr 78:101:13670
Minority Entrepreneurship - The ASCE Position, George J. Kral, EI3:July 80:211:15541
New Umbrella Society for Engineering is Taking Shape, Kneeland A. Godfrey, Jr., CE:May 79:57
Opportunities in Engineering and Construction Entrepreneurship for Minorities, ASCE Board of Direction, EI2:Apr 79:77:14520
Policy Issues of Importance to Offshore Development, William S. Gaither, PO80:May 80:1

ASCE (Presidents)
ASCE Energy Action Program: Progress Report, CE: Jan 80:75
President's Inaugural Speech: October 24, 1979, Joseph S. Ward, EI3:July 80:165:15549

ASCE (Professional Objectives)
Engineering, Professionalism, and Unions, Richard H. French, EI1:Jan 79:1:14323
The Ethics of Maintaining Continued Professional Competence, John S. Bruce, EI2:Apr 79:85:14545

ASCE (Publications)
Grossbard Joins ASCE Staff, CE:Nov 80:71
State of the Journal, Otis J. Sproul, Chmn., EE6:Dec 80:1013:15930

ASCE (Salaries and Fees)
Metropolitan Section Accreditation Program on Compliance with Manual 55, Thomas A. Mulhern, EI1:Jan 79:35:14316
1979 ASCE Salary Survey, Oscar R. George, Chmn., EI3:July 80:275:15568

ASCE (Sections)
Parity for Minorities in Engineering: Myth or Reality, Melvin Thompson, EI2:Apr 79:65:14485
Section Handbook for Implementation of Manual 55, Philip J. Dinauer, EI4:Oct 79:179:14875
Special Projects Strengthen CE Student Development, Peter J. Tavino, Jr., CE:May 79:86
Who Gives a Damn?, Arthur T. Nielsen, EI2:Apr 80: 113:15323

ASCE (Service to Members)
"Government Contracts: Proposalmanship and Winning Stategies", CE:Apr 80:36

ASCE (Staff)
Amron Retires, CE:Nov 80:71
Grossbard Joins ASCE Staff, CE:Nov 80:71

ASCE (Student Chapters)
The Concrete Canoe: A Technological Challenge, John Rinaldo and David B. Clayman, CE:Mar 80: 74
Special Projects Strengthen CE Student Development, Peter J. Tavino, Jr., CE:May 79:86

ASCE (Technical Divisions)
First Four Decades of the Hydraulics Division, Hunter Rouse, HY3:Mar 78:327:13633
Introduction, John G. Kunna, HW80:Mar 80:1

ASCE (Younger Members)
President's Inaugural Speech: October 24, 1979, Joseph S. Ward, EI3:July 80:165:15549

ASCE State-Of-The-Art of Ce Award
Nuclear Facilities Siting, Paul Kruger, EE3:June 79: 443:14615
Progress in Marine Geotechnical Engineering, John A. Focht, Jr. and Leland Milo Kraft, Jr., GT10:Oct 77:1097:13301

Ashes
Land Disposal of Coal Gasification Residue, William J. Boegly, Jr., Henry W. Wilson, Jr., Chester W. Francis and E. C. Davis, EY2:Oct 80:179:15757

Asphalt Cement
What's Happened to the Quality of Asphalt?, Ann E. Seltz-Petrash, CE:Dec 80:43

Asphalt Deterioration
What's Happened to the Quality of Asphalt?, Ann E. Seltz-Petrash, CE:Dec 80:43

Asphalt Mix Design
Sulfur: Potential Pavement Binder of the Future, Gerald D. Love, TE5:Sept 79:525:14835

Asphalt Pavements
Design Procedure for Asphalt Railway Roadbeds, James Colville, TE6:Nov 79:651:14971
Pavement Analysis by Programmable Calculators, Per Ullidtz and Kenneth R. Peattie, TE5:Sept 80:581: 15682
Pavement Recycling Catching On, Eugene E. Dallaire, CE:Nov 80:45
Sulfur: Potential Pavement Binder of the Future, Gerald D. Love, TE5:Sept 79:525:14835

Asphalts
Design Procedure for Asphalt Railway Roadbeds, James Colville, TE6:Nov 79:651:14971
Slow Trend for Asphalt with H_2O, John J. Carroll and Donald M. Harriott, CE:Oct 79:76

Asphalt Tests
Sulphur Asphalt Field Trials in Texas, Bob M. Gallaway and Fred J. Benson, MGC:July 80:366
What's Happened to the Quality of Asphalt?, Ann E. Seltz-Petrash, CE:Dec 80:43

Assessments
Assessing Nonpoint Water Quality for Small Streams, Michael E. Meadows, Dennis W. Weeter and James M. Green, EE6:Dec 78:1119:14232
Cumulative Impact Assessment-California Coastal Law, William Milan Boyd, CZ80:Nov 80:1321
Effectiveness of Assessments of Coastal Management, Robert J. Reimold, CZ80:Nov 80:444
Visual Impacts of Port Development in Seattle, Iain M. Robertson and William G.E. Blair, CZ80:Nov 80:917

Assimilation
Assimilative Capacity of Small Streams, Chenchayya T. Bathala, Khirod C. Das and Wesley D. Jones, EE6:Dec 79:1049:15082

Astronomical Photography
Rate of Change Methods in Astronomical Surveying, Raphael F. Rish, SU1:Nov 80:137:15837

Astronomy
Rate of Change Methods in Astronomical Surveying, Raphael F. Rish, SU1:Nov 80:137:15837
What Has the U.S. Gotten Out of the Space Program?, Eugene E. Dallaire, CE:July 79:71

Asymmetry
Nonsymmetrical Loadings on Pipe, Wayne Winter Smith, TE3:May 79:307:14584

Asymptotic Series
Dispersion Modeling in Time and Two Dimensions, Jonathan F. Henry and Edward G. Foree, EE6:Dec 79:1131:15054
General Imperfection Analysis in Shallow Arches, Cenap Oran, EM6:Dec 80:1175:15907
Refined Theories for Nonhomogeneous Anisotropic Cylindrical Shells: Part I-Derivation, Daryl E.O. Widera and Darly L. Logan, EM6:Dec 80:1053: 15933

Atlanta
Minority Business Enterprise Efforts - Feedback From the Field, CE:Jan 80:96

Atlases
Washington's Automated Coastal Data Base: The Coastal Zone Atlas, Sue Wenke and Marc Horton, CZ80:Nov 80:2291

Atmospheric Diffusion
Evaluating Odor Reduction Technologies: Model, Robert C. Balling, Jr. and Carroll E. Reynolds, EE5:Oct 80:901:15743

Atmospheric Pressure
Northeaster Model and Application to Coastal Flooding, Yun Jui Tsai, D. M. Crocker, T. J. Burda and Fang-Kuo Chou, HYUS:June 80:255

Attenuation
Containment of Heavy Metals with Natural Materials, Ronald E. Benson, Jr., EE80:July 80:69
Shock Load Attenuation by a Trickling Filter, Echol E. Cook and Leland P. Herning, EE3:June 78:461: 13814

Atterberg Limits
Universal Compression Index Equation, Oswald Rendon-Herrero, GT11:Nov 80:1179:15829

Attitude Perception
Managed On-Site Disposal in Unsewered Areas, George E. Wilson, Jerry Y.C. Huang, George Tchobanoglous and Gil Wheeler, EE3:June 79:583: 14619

Attitudes
Measuring Preferences for Natural Landscapes, John A. Dearinger, UP1:Jan 79:63:14308
Public Participation in Environmental Statements, Steven M. Fusco, WR1:Mar 80:123:15264

Augered Concrete Piles
Intrusion Pile Foundation Case History, Larry G. O'Dell and John M. Pool, GTDF:80:300

Australia
Bridge Appearance, Colin O'Connor, Michael D. Burgess, Michael J. Egan and John L. Olsen, ST1: Jan 80:331:15107
Coastal Erosion Management in Australia, David M. Chapman, CZ80:Nov 80:2218
Damsite Works Layout and Access Road Location, Keith A. Murley, ASDC:80:114
Design and Construction of the Greenborough Footbridge, H. R. Carlin-Smith, MGC:July 80:290
Earthwork Quantity Surveys at Damsites, Kevin B. Flynn, ASDC:80:124
An Environmentally Acceptable Coal Port, Paul Soros and Mohammed Osman, PO80:May 80:11
Evaporation Basin Study at Boundary Bend, D. M. Ife, ASDC:80:144
Hydraulic Features from River Flood Photography, A. B. Long, ASDC:80:76
Location of Cross-Drainage Structures on Channels, John Russell Tregear, ASDC:80:137
Managing Coastal Dunes in South Australia, Peter W. Cullen and Eric C.F. Bird, CZ80:Nov 80:1252
Mixed Face Tunneling on Melbourne Underground, Alfred M. Petrofsky, CO3:Sept 80:409:15695
Planning Implications of Outer Ring Road, Robin T. Underwood, UP1:Nov 80:19:15828
Regional Geology of the Dartmouth Dam Site, F. Cox, ASDC:80:105
River Murray Flooding, D. T. Curry and D. J. Dole, ASDC:80:41
Salinity Assessment at Kerang, W. Trewhella, ASDC: 80:206
Seasonal Heave of Australian Clay Soils, John E. Holland and Charles E. Lawrance, SLS:June 80:302
Sewage Treatment Site Selection, Phillip Island, Victoria, R. W.G. Evans and O. J. Scroggie, ASDC: 80:140
Subdivision of Rural Land and Recreational Area Development—Eildon Reservoir, Bruce Kenneth Willersdorf, ASDC:80:150
Transport Planning on Both Sides of the Pacific, Robert S. Nielson, MGC:July 80:248
Urban Development and Flood Hazards at Shepparton, N. W. Tappe, ASDC:80:213
Water Control Difficulties Through Flooded Lakes Systems, Donald John Blackmore, ASDC:80:69

Autocorrelation
Nonlinear Modeling of Wave Runup on Sloping Beach, Jagat N. Sharma, WW2:May 79:125:14564

Automation
Alternative Approaches for Applying GIS Technology, Jack P. Dangermond and Lowell Kent Smith, SU80:June 80:97

Automated Design of Multistory Frame Structures, Stan W. Zagajeski and M. D. Wunder, CP80:June 80:203
Automated Suspension Bridge Analysis by Symmetry, Harold Samelson and Harold T. Fink, CP80:June 80:484
CAD System Developed by Urban Design Firm, Harvey H. Liss, CP80:June 80:619
Data Bases for Information Management, William L. Howard, CP80:June 80:638
Data Management Using Computers and CRT Displays, Allen F. Flanders, MGC:July 80:343
The Fourth Branch of Government, Murray A. Muspratt, EI2:Apr 78:129:13669
Geographic Information Systems: The ODYSSEY Project, Eric Teicholz, SU1:Nov 80:119:15833
Intergrated Computer-Aided Design Using Minicomputers, Olaf O. Storaasli, Preprint No.80-672, Oct 80, 15pp.
Modification of Older Automated Samplers, Fred A. Koehler, Ed P. Harris and Frank J. Humenik, TN: EE3:June 80:655:15447
Optimal Control of Unsteady Combined Sewer Flow, John W Labadie, Dennis M. Morrow and Yung Hai Chen, WR1:Mar 80:205:15233
Recent Developments in Automated Accident Location Systems, James D. Decker and Robert W. Hawkins, Preprint No.80-620, Oct 80, 13pp.
Reducing Salt Pickup from Irrigated Lands, Wynn R. Walker, Gaylord V. Skogerboe and Robert G. Evans, IR1:Mar 79:1:14454
Surveying and Mapping Research 1978-1988: An Overview, Morris M. Thompson, SU1:Nov 79:43:14957
A Survey of Cadd in Engineering Practice (Abstract), Richard L. Bland, CP80:June 80:15
USGS Digital Cartographic Applications Program, Robert B. McEwen, SU1:Nov 80:13:15846
Washington's Automated Coastal Data Base: The Coastal Zone Atlas, Sue Wenke and Marc Horton, CZ80:Nov 80:2291

Automobiles
Energy Conservation Through Improved Aerodynamics, Frank T. Buckley, Jr., MGC:July 80:160

Automobile Safety Standards
Pennsylvania's Proposed Emission I/M Program, Maurice R. Devin, CAAA:Nov 79:120

Automobile Usage
Redesigning the Auto: A Key to Solving the U.S. Energy, Eugene E. Dallaire, CE:Nov 79:92

Awards
Concrete Microwave Tower is Award Winner, Leonard Hayet and Franklin Z. Glickman, CE:Apr 79:62

Axial Compression
Arch Optimization Using Prager-Shield Criteria, George I.N. Rozvany, Wang Chien Ming and Murray Dow, EM6:Dec 80:1279:15914

Axial Load
Biaxial Bending Simplified, Himat T. Solanki, TN: ST5:May 80:1198:15384
Hysteretic Cycles of Axially Loaded Steel Members, Ashok K. Jain, Subhash C. Goel and Robert D. Hanson, ST8:Aug 80:1777:15607

Axial Loads
Column Base Plates with Axial Loads and Moments, John T. DeWolf and Edward F. Sarisley, ST11:Nov 80:2167:15823
Eccentrically Loaded Elastically Supported Columns, R. Richard Avent, TN: ST12:Dec 80:2547:15874
Fabricated Tubular Steel Columns, David A. Ross, Wai F. Chen and Lambert Tall, ST1:Jan 80:265:15122
Quasilinear Integration of Elasto-Plastic Shells, Habid U. Ahmed and John W. Leonard, EM1:Feb 79:91:14371
A Study of Axial Pile Load Tests, Shailendra N. Endley, Edward J. Ulrich, Jr. and Janice B. Gray, GTDF:80:101

Axial Strain
Constraints for Axial Strains in Frames, William Weaver, Jr., ST1:Jan 80:199:15121

Azaserine
Approximate Approach to Contact Effects of Piles, Milos Novak and Mohammed Sheta, GTA80:Oct 80:53

Backfills
Behavior and Design of Long-Span Metal Culverts, James M. Duncan, GT3:Mar 79:399:14429
Design and Construction of Long-Span Metal Culverts, Ernest T. Selig, John F. Abel, Fred H. Kulhawy and William E. Falby, CE:Mar 79:68
Nuclear Testing of Utility Trench Backfill, Vincent J. Perricelli, CE:Nov 79:68
Specifying Pipeline Construction, Milton J. Hecker, TE4:July 79:361:14699

Backfill Seepage
Approximate Approach to Contact Effects of Piles, Milos Novak and Mohammed Sheta, GTA80:Oct 80:53

Back Pressure
Hybrid Cooling System Thermodynamics and Economics, Arthur R. Giaquinta, Thomas E. Croley, II and Tai-Dan Hsu, EY1:Apr 80:89:15319

Backwashing
Effectiveness of Backwashing for Wastewater Filters, John L. Cleasby and James C. Lorence, EE4:Aug 78:749:13967
Filter Backwashing by Ejector, Jerry Y.C. Huang, EE5:Oct 79:915:14890
Optimum Backwashing of Sand Filters, Appiah Amirtharajah, EE5:Oct 78:917:14078
Virus Concentration by Ultrafiltration, Yael Rotem-Borensztajn, Eliyahu Katzenelson and Georges Belfort, EE2:Apr 79:401:14536

Backwater
Geomorphic Study of Upper Mississippi River, Yung Hai Chen and Daryl B. Simons, WW3:Aug 79:313:14778
Mathematical Modeling of Sediment Deposition in Reservoirs, Yung Hai Chen, Jose L. Lopez and Everett V. Richardson, HY12:Dec 78:1605:14250
Uncertainty in Step-Backwater Analyses, Asok K. Motayed and David R. Dawdy, TN: HY5:May 79:617:14555

Backwater Profiles
Uncertainty in Step-Backwater Analyses, Asok K. Motayed and David R. Dawdy, TN: HY5:May 79:617:14555
Varied Flow Functions for Circular Channels, Chandramouli Nalluri and John H. Tomlinson, HY7:July 78:983:13889

Bacteria
Aerosols in the Treatment Plant Environment, C. Richard Walter and Guy D. Van Doren, EE80:July 80:488
Bipopulation Approach to CMAS-Process Simulation, David H. Liang, Ping-Yi Yang and Tung Liang, EE5:Oct 79:905:14914
Estuarine Sediments: Successional Model, Kenneth J. Williamson and David A. Bella, EE4:Aug 80:695:15595
Feasibility of Wastewater Treatment with Ferrate, Thomas D. Waite, EE6:Dec 79:1023:15030
Kinetics of Bacterial Deactivation with Chlorine, Robert E. Selleck, Bernard M. Saunier and Harvey F. Collins, EE6:Dec 78:1197:14247
Mitigating Runoff Pollution Into South Shore Bays of Long Island, New York, Kevin J. Phillips, Vito Minei, Thomas Maher and Philip A. Haderer, HYUS:June 80:228

Modeling Suspended Solids and Associated Bacteria in Natural Water Systems, Christopher G. Uchrin and Walter J. Weber, Jr., EE80:July 80:160
New Approach to Bacterial Kinetics in Wastewater, Graham F. Andrews and Chi Tien, EE6:Dec 77: 1057:13418
Ozone Inactivation of Floc Associated Viruses and Bacteria, Douglas S. Walsh, Charles E. Buck and Otis J. Sproul, EE4:Aug 80:711:15601
Reservoir Metalimnion Oxygen Demands, John A. Gordon and Basil A. Skelton, EE6:Dec 77:1001: 13437
Unconfined Grazing and Bacterial Water Pollution—A Review, Everett P. Singer and Gerald F. Gifford, IRKB:July 80:578

Bacterial Diseases
Aerosols in the Treatment Plant Environment, C. Richard Walter and Guy D. Van Doren, EE80:July 80:488
Control of Stormwater Runoff in a Rural Area, Pamela B. Katz, John A. Ripp and Deborah K. Martin, EE80:July 80:372

Baffle Plates
Postaeration of Wastewater, Boris M. Khudenko, EE2:Apr 79:297:14534

Baffles
Force Fluctuations on Sill of Hydraulic Jump, Rangaswami Narayanan and L. S. Schizas, HY4: Apr 80:589:15368
Force on Sill of Forced Jump, Rangaswami Narayanan and L. S. Schizas, HY7:July 80:1159: 15552

Ballast
Design for Railroad Ballast and Subgrade Support, Gerald Patrick Raymond, GT1:Jan 78:45:13471
Examination of Degraded Aggregate Cement Value Test, Gerald Patrick Raymond, TE3:May 79:329: 14595
Railroad Ballast Load Ranking Classification, Gerald Patrick Raymond and Vishnu A. Diyaljee, GT10: Oct 79:1133:14900
Railroad Ballast Prescription: State-of-the-Art, Gerald Patrick Raymond, GT2:Feb 79:305:14397

Banding
Banding for Structural Repair at Timber Connectors, R. Richard Avent, Leroy Z. Emkin and Paul H. Sanders, ST1:Jan 80:87:15126

Bank Stabilization
Computer Software for Grand Coulee Stabilization, David W. Harris, CP80:June 80:230

Barges
Big Cajun No. 2 Docks: Planning and Design, Duli C. Sharma, PO80:May 80:100
Bridge Pier Protective Systems, R. T. Mancill, Jr. and K. N. Derucher, PO80:May 80:778
Effects of Directional Sea In Model Testing, J. Kirkegaard, S. E. Sand, N.-E. Ottesen Hansen and M. Hvidberg Knudsen, PO80:May 80:597
High Speed Rail to Barge Coal Transfer Terminal, Richard H. Schmitz, Andrew Benko and Richard Rogers, PO80:May 80:148
The Impact of Hydrocarbon Emission Controls on Marine Design, Joseph G. Zabaga, PO80:May 80: 677
Specialized Fender System Requirements and Design, Robert L. Beach and Noel B. Davis, PO80:May 80: 534

Barrier Beaches
Asymmetric Variation of Ghyben-Herzberg Lens, Daniel Wayne Urish, HY7:July 80:1149:15533

Barrier Collision Tests
State-of-the-Art of Highway Safety Appurtenances, F. J. Tamanini, HW80:Mar 80:216

Barrier Design
State-of-the-Art of Highway Safety Appurtenances, F. J. Tamanini, HW80:Mar 80:216

Barriers
Barrier Beach Protection in Massachusetts, Stanley M. Humphries and Jeffrey R. Benoit, CZ80:Nov 80:1809
Barrier Island Management, Stephen P. Leatherman, CZ80:Nov 80:1470
Barrier Island Sedimentation Studies Program, Edward Meisburger, Leita J. Hulmes, Edward B. Hands, S. Jeffress Williams, Craig H. Everts, Dennis A. Prins, Richard D. Hobson and Kenneth Finkelstein, CZ80:Nov 80:810
Dune Erosion and Recovery on a Northern Barrier, John W. Armon, CZ80:Nov 80:1233
Geology of Delaware Barriers: Evironmental Planning, Kathleen Drew and John C. Kraft, CZ80: Nov 80:830
Gravel Barrier Genesis and Management: A Contrast, R. W.G. Carter and J. D. Orford, CZ80: Nov 80:1304
Hazard Mitigation on Barrier Island and Beaches, Dunesh C. Sharma, CZ80:Nov 80:1450
Human Influence on the Sediment Budget of a Barrier Island, Craig H. Everts, CZ80:Nov 80:863
Hurricane Impact at Dauphin Island, Alabama, Shea Penland, Dah Nummedal and William E. Schramm, CZ80:Nov 80:1425
Local Effects of Tornado-Generated Missiles, Anil K. Kar, ST5:May 78:809:13775
Managing Barrier Islands: Role of Local Government, Kent S. Butler, Kathryn N. Nichols and Ray Quay, CZ80:Nov 80:2036
Perspectives on Erosion: Barrier Island Management, Ann C. Baker, CZ80:Nov 80:1
Recent Geologic History of a Barrier Island, Richard D. Hobson, Robert K. Schwartz and Frank R. Musialowski, CZ80:Nov 80:850
The Role of a State Geological Survey in Barrier Island Management: A Critical Link Between Research and Policy, Randall T. Kerhin, Kenneth N. Weaver and Jeffrey P. Halka, CZ80:Nov 80: 1289
Thames River Flood Barrier, P. A. Cox, CE:Apr 79: 68

Bars
Elasto-Plastic Torsion of Axisymmetric Bars, Rafik Y. Itani, EM1:Feb 79:1:14367

Bars (Riverine)
Bar Resistance of Gravel-Bed Streams, Gary Parker and Allan W. Peterson, HY10:Oct 80:1559:15733

Base Flow
A Baseflow Simulation Model, Susan E. Hogg, Anton G. Thompson and W. David Striffler, IRKB:July 80:755
Curve Numbers from Watershed Data, Everett P. Springer, Bruce J. McGurk, Richard H. Hawkins and George B. Coltharp, IRKB:July 80:938

Base Loads
Repeated Loading on Single Piles in Sand, Sin-Fatt Chan and Thomas H. Hanna, GT2:Feb 80:171: 15222

Basins
Ideal Flow Patterns for Equalization Basins, Ely Anthony R. Ouano, TN: EE4:Aug 78:817:13913

Batch Processing (Data)
Terminal Usage of Batch Programs in Highway Design, Conrad G. Keyes, Jr., John Minor and Kenneth R. White, CP80:June 80:350

Bathymetry
Computation of Bed Load Using Bathymetric Data, Peter Engel and Y. Lam lau, HY3:Mar 80:369: 15255
Photobathymetry, James Collins, ASDC:80:82

Wave Tank Use In Small Boat Harbor Design, Newport News, Virginia, Christopher S. Welch, Evon Paul Ruzecki, Robert James Lukens and Ching Seng Fang, PO80:May 80:614

Batter Piles
Dynamic Stiffness of Group of Battered Piles, John P. Wolf, TN: GT2:Feb 80:198:15193

Battery Charging
Impact of Potential Electric Vehicle Market Penetrations on Air Quality, Martin J. Bernard, III, CAAA:Nov 79:329

Bayes Theorem
Bayesian Analysis of Energy Prices on Irrigation, Richard J. McAniff, Marshall Flug and James Wade, WR2:July 80:401:15548
Bayesian Frequency Analysis, Wilson H. Tang, HY7: July 80:1203:15532

Beach Erosion
Barrier Island Management, Stephen P. Leatherman, CZ80:Nov 80:1470
Coastal Erosion in San Diego County, California, Gerald G. Kuhn and Francis P. Shephard, CZ80: Nov 80:1899
Coastal Erosion Management in Australia, David M. Chapman, CZ80:Nov 80:2218
Coral Reef Protection During Beach Restoration in Florida, Richard Spadoni and Arthur V. Strock, CZ80:Nov 80:152
Dade County Beach Erosion Control and Hurricane Protection Project, James W. R. Adams, Preprint No.80-600, Oct 80, 11pp.
Delineation and Implementation of a Dune Management District, Paul A. Gares, Karl F. Nordstrom and Norbert P. Psuty, CZ80:Nov 80: 1269
Geology of Delaware Barriers: Evironmental Planning, Kathleen Drew and John C. Kraft, CZ80: Nov 80:830
Human Influence on the Sediment Budget of a Barrier Island, Craig H. Everts, CZ80:Nov 80:863
Hurricane Impact at Dauphin Island, Alabama, Shea Penland, Dah Nummedal and William E. Schramm, CZ80:Nov 80:1425
Interagency Permit Review Lessons of Experience, Joseph S. LeGath and Robert L. Lippson, CZ80: Nov 80:1638
Littoral Sand Transport from Longshore Currents, Todd L. Walton, Jr., TN: WW4:Nov 80:483:15793
Local Assistance: A Problem in Translation, Stephen Olsen, CZ80:Nov 80:1510
Managing Coastal Dunes in South Australia, Peter W. Cullen and Eric C.F. Bird, CZ80:Nov 80:1252
The Nearshore Sediment Transport Study, Richard J. Seymour, Preprint No.80-555, Oct 80, 7pp.
The New Jersey Coast: Going, Going, Gone?, Sheldon Abrams and D. W. Bennett, CZ80:Nov 80: 1497
Perspectives on Erosion: Barrier Island Management, Ann C. Baker, CZ80:Nov 80:1
Recent Geologic History of a Barrier Island, Richard D. Hobson, Robert K. Schwartz and Frank R. Musialowski, CZ80:Nov 80:850
Response to a Changing Coastal Environment, Kenneth C. Caldwell, CZ80:Nov 80:1228
The Role of a State Geological Survey in Barrier Island Management: A Critical Link Between Research and Policy, Randall T. Kerhin, Kenneth N. Weaver and Jeffrey P. Halka, CZ80:Nov 80: 1289
Soil-Cement for Protection of Shorelines, William G. Dinchak, CZ80:Nov 80:2203
South Padre Island Coastal Zone Management Study, W. G. Roeseler, CZ80:Nov 80:1645
Sunset Cliffs Stabilization San Diego, California, Louis J. Lee and Walter Crampton, CZ80:Nov 80: 2271
Tidal Inlet Effects on Barrier Island Management, Duncan M. FitzGerald and Miles O. Hayes, CZ80: Nov 80:2355
Unpredicted Rapid Erosion, Tybee Island, Georgia, Frank H. Posey, Jr. and F. Wade Seyle, Jr., CZ80: Nov 80:1869

Beaches
Barrier Beach Protection in Massachusetts, Stanley M. Humphries and Jeffrey R. Benoit, CZ80:Nov 80:1809
Beach Access Problems, Programs and Progress, David J. Brower, CZ80:Nov 80:1697
Beachfront Restoration Using Water Quality Programs, Owen W. Bludau, CZ80:Nov 80:2342
Effect of Drainage Inlets on Recreation Facilities, Donald F. Mills, HYUS:June 80:388
Hazard Mitigation on Barrier Island and Beaches, Dunesh C. Sharma, CZ80:Nov 80:1450
Managing Coastal Dunes in South Australia, Peter W. Cullen and Eric C.F. Bird, CZ80:Nov 80:1252
Mixing of Buoyant Surface Jet over Sloping Bottom, Bijan Safaie, WW4:Nov 79:357:14954
The New Jersey Coast: Going, Going, Gone?, Sheldon Abrams and D. W. Bennett, CZ80:Nov 80: 1497
Nonlinear Modeling of Wave Runup on Sloping Beach, Jagat N. Sharma, WW2:May 79:125:14564
Shore Protection Decisions for Sandy Hook, Donald A. Falvey and William J. Funge, CZ80:Nov 80: 2322
Structures in the Beach Zone: To Be or Not to Be, Neill E. Parker, Preprint No.80-648, Oct 80, 8pp.
Wastewater Risk Assessment, Neil J. Hutzler and William C. Boyle, EE5:Oct 80:919:15748
Wave Runup on Variable Beach Profiles, R. Bruce Taylor, III, E. Ozsoy and Thomas J. Turco, WW2: May 80:169:15424

Beach Nourishment
Beachfront Restoration Using Water Quality Programs, Owen W. Bludau, CZ80:Nov 80:2342
Coral Reef Protection During Beach Restoration in Florida, Richard Spadoni and Arthur V. Strock, CZ80:Nov 80:152
Designation of All Public Rights of Way to the Tidal Areas of Rhode Island, Joseph F. Turco, CZ80:Nov 80:1386
Guaranteeing Public Access in Publicity-Funded Shoreline Projects, Kenneth C. Caldwell, CZ80:Nov 80:1397
Impacts of Water Development and Coastal Engineering on Barrier Island Erosion Rates, Arthur R. Benton, Jr., ASDC:80:191
Planning for Beach Restoration in South Florida, Thomas J. Campbell, Richard Spadoni, Kim Beachler and John Morgan, Preprint No.80-670, Oct 80, 8pp.
Providing Public Waterfront Access in Maryland, Kathy H. Fitzpatrick, Trisha A. Bednarz and Earl H. Bradley, Jr., CZ80:Nov 80:1406
Shore Protection Decisions for Sandy Hook, Donald A. Falvey and William J. Funge, CZ80:Nov 80: 2322
Tidal Inlet Effects on Barrier Island Management, Duncan M. FitzGerald and Miles O. Hayes, CZ80: Nov 80:2355
Unpredicted Rapid Erosion, Tybee Island, Georgia, Frank H. Posey, Jr. and F. Wade Seyle, Jr., CZ80: Nov 80:1869

Beam Columns
Automated Design of Multistory Frame Structures, Stan W. Zagajeski and M. D. Wunder, CP80:June 80:203
Behavioral Study of Circular Tubular Beam-Columns, Donald R. Sherman, Hacik Erzurumlu and Wendelin H. Mueller, ST6:June 79:1055:14627
Inelastic Section Response by Tangent Stiffness, Clifford O. Hays, Jr. and T. K. Santhanam, ST7: July 79:1241:14668
LRFD Criteria for Steel Beam-Columns, Reidar Bjorhovde, Theodore V. Galambos and Mayasandra K. Ravindra, ST9:Sept 78:1371:14016
Reliability Analysis of Steel Beam-Columns, Bruce R. Ellingwood and Timothy A. Reinhold, TN: ST12: Dec 80:2560:15874

Thick Skin Sandwich Beam Columns with Weak Cores, Robert G. Drysdale, Fernando Betancourt-Angel and Geoffrey B. Haddad, ST12:Dec 79:2601: 15072
Web Distortion and Flexural-Torsional Buckling, Gregory J. Hancock, Mark A. Bradford and Nicholas S. Trahair, ST7:July 80:1557:15539

Beams
Errors in Utilization of Cold-Formed Steel Members, Frank J. Zamecnik, ST12:Dec 80:2493:15941
Resistance to Crack Growth in Portland Cement Composites, Methi Wecharatana and Surendra P. Shah, FIC:Oct 80:82

Beams (Structural)
Detection Of Fatigue Cracks In Structural Members, E. Kummer, J. C. S. Yang and N. Dagalakis, EM81:Jan 81:445

Beams (Supports)
Accuracy of Composite Section Nonlinear Solutions, Luc Lachance and Clifford O. Hays, Jr., ST11:Nov 80:2203:15801
Beam Equation with Variable Foundation Coefficient, Joel N. Franklin and Ronald F. Scott, EM5:Oct 79: 811:14926
Beams with Torsional and Flexural Loads, Thomas P. Pastor and John T. DeWolf, ST3:Mar 79:527:14461
Behavior of Beams and Flexible Pipes Under Tension, Alain H. Peyrot, Preprint No.80-001, Apr 80, 15pp.
Bending of Laminated Cantilever Beams with Interlayer Slip, Hiroyuki Suzuki and Tse-Yung P. Chang, ST2:Feb 79:269:14366
Bending Strength of Curved Glued Laminated Timber, John A. Anderson and L. G. Booth, ST6: June 79:1167:14645
Circular Beam on Elastic Foundation, Dimitrios E. Panayotounakos and Pericles S. Theocaris, EM5: Oct 79:839:14891
Combined Torsion, Bending, and Shear on L-Beams, K. S. Rajagopalan, ST12:Dec 80:2475:15944
Composite Beam Criteria in LRFD, William Charles Hansell, Theodore V. Galambos, Mayasandra K. Ravindra and Ivan M. Viest, ST9:Sept 78:1409: 14005
Concrete Beams with Prestressed Elements, Manak B. Mawal, ST3:Mar 79:617:14463
Concrete Beams with Small Opening under Torsion, M. Abdul Mansur and A. Hasnat, ST11:Nov 79: 2433:14970
Continuous Steel I-Girders: Optimum Proportioning, Abul K. Azad, ST7:July 80:1543:15575
Design of Composite Prestressed Concrete Beams, David S. Hatcher, ST1:Jan 79:185:14298
Dowel Action in Concrete Beams Subject to Torsion, Mahmoud A. Reda Youssef and Alfred G. Bishara, ST6:June 80:1263:15455
Effect of Openings on Lateral Buckling of Beams, Alexander Coull and Maria C. Alvarez, TN: ST12: Dec 80:2553:15874
Elastic Deformation of Beams with Web Opening, Brian K. Dougherty, ST1:Jan 80:301:15136
Exact Analysis of Unsymmetric Laminated Beam, K. M. Rao and B. G. Ghosh, ST11:Nov 79:2313: 14983
Fatigue of Steel Beams with Groove-Welded Flanges, Garry R. Bardell and Geoffrey L. Kulak, ST9:Sept 80:1855:15685
First Yield of Edge Beam Stiffened Square Plates, Geoffrey John Turvey, EM1:Feb 79:81:14373
Flexural Rotational Capacity of Spandrel Beams, Alfred G. Bishara, Larry Londot, Peter Au and Majety V. Sastry, ST1:Jan 79:147:14325
Flexure of Laminated Beams, I. K. Silverman, ST3: Mar 80:711:15293
Forced Vibration of Beams by Eigenmatrix Method, Bennosuke Tanimoto, Kiyoshi Ishikawa and Shotaro Natsume, ST12:Dec 79:2725:15090
Glued-Laminated Beam Strength: A Model, Ricardo O. Foschi and J. David Barrett, ST8:Aug 80:1735: 15599
Guyed Towers Under Arbitrary Loads, Felix Rosenthal and Richard A. Skop, ST3:Mar 80:679: 15247
Imperfectly Bonded Unsymmetric Laminated Beam, K. M. Rao and B. G. Ghosh, EM4:Aug 80:685: 15623
Indirectly Loaded Reinforced Concrete Beams, Sami M. Fereig and Kenneth N. Smith, ST7:July 79: 1319:14674
Interactive Graphics and the Uniform Bean in Engineering Education, David F. Rogers, David Chalmers and J. D. Richardson, CP80:June 80:436
Laterally Loaded Timber Columns, Hans J. Larsen and Esko Theilgaard, ST7:July 79:1347:14679
Local Buckling of Beams under Stress Gradient, Yei L. Tien and Shien T. Wang, ST8:Aug 79:1571: 14774
Local, Distortional, and Lateral Buckling of I-Beams, Gregory J. Hancock, ST11:Nov 78:1787:14155
Macaulay's Method: A Generalization, TN: EM3: June 79:459:14603
Minimum-Weight Design of Nonuniform Beams, Erling A. Smith, TN: ST7:July 79:1559:14664
Natural Frequency of Timoshenko Beam on Flexible Base, Anestis P. Papadopoulos and David M. Trujillo, EM2:Apr 80:307:15311
Optimum Seismic-Resistant Design of R/C Frames, Stan Zagajeski Zagakesli and Vitelmo V. Bertero, ST5:May 79:829:14583
Partial Composite Action in Diaphragms, Rafik Y. Itani and Girish S. Hiremath, EM4:Aug 80:739: 15624
Partially Steel-Fiber Reinforced Mortar, Mohsen Mahmoudzadeh Rahimi and Clyde E. Kesler, ST1: Jan 79:101:14282
Postcracking Compliance Analysis of RC Beams, Clarence W. deSilva, Oral Buyukozturk and David N. Wormley, ST1:Jan 79:35:14304
Prestressed Concrete Beams with Transverse Circular Holes, Sk. Abdus Salam and Jack Harrop, ST3:Mar 79:635:14465
Prestressed Concrete Design by Linear Programming, David Morris, ST3:Mar 78:439:13612
Radial Stresses in Curved Glulam Beams, Vijaya K.A. Gopu, ST11:Nov 80:2143:15797
Response of Beams on Elastic Foundations to Dynamic Loading, Bharat Bhushan Prasad and N. S.V. Kameshwar Roa, TN: EM1:Feb 80:179:15164
Secondary Deflections and Lateral Stability of Beams, Walter L. Warnick and William H. Walston, EM6:Dec 80:1307:15924
Seismic Shear Stresses in Buried Beams, T. Selcuk Atalik, TN: ST6:June 80:1361:15451
Shear Strength of Wood Beams: A Weibull Analysis, Jen Y. Liu, ST10:Oct 80:2035:15770
Solutions Using Conjugate Elements, Abdul K. Abdul-Shafi, TN: ST11:Nov 80:2339:15792
Standard Prestressed Concrete Beam Design, David S. Hatcher, ST1:Jan 80:23:15106
Static Behavior of Beam-to-Column Moment Connections, Wai F. Chen and K. V. Patel, Preprint No.80-179, Apr 80, 24pp.
Stiffness Matrix for Eccentric Beam Segment, Lawrence L. Durocher and James Kane, TN: ST2: Feb 79:447:14351
Strength Decay in R.C. Beams under Load Reversals, Charles F. Scribner and James K. Wight, ST4:Apr 80:861:15360
Strength of Composite Beams with Web Openings, David M. Todd and Peter B. Cooper, ST2:Feb 80: 431:15179
Strength of Connection with Buried Discontinuity, Roger L. Brockenbrough, Ronald W. Frost and Geerhard Haaijer, ST11:Nov 80:2185:15800
Strength Variation of Laterally Unsupported Beams, Yuhshi Fukumoto, Yoshito Itoh and Masahiro Kubo, ST1:Jan 80:165:15142
Tapered Steel Beams Loaded within Tip, Gwynne Davies and Satya Narayan Mandal, ST3:Mar 79: 589:14453
Tests of Beam-to-Column Web Connection Details, Glenn P. Rentachler, Wai F. Chen and George C. Driscoll, Preprint No.80-179, Apr 80, 20pp.

Torsional Analysis of Cutout Beams, Clarence W. de Silva and David N. Wormley, ST9:Sept 80:1933: 15713
Torsion in Spandrel Beams, M. Abdul Mansur and B. Vijaya Rangan, ST7:July 78:1061:13861
Torsion of Core Walls of Nonuniform Section, Te-Chang Liauw and Wang-Kwong Luk, ST9:Sept 80: 1921:15707
Torsion of Solid and Hollow Rectangular Beams, David J. Just and William J. Walley, ST9:Sept 79: 1789:14845
Towards a Rational Theory for RC Members in Shear, Michael P. Collins, ST4:Apr 78:649:13697
Ultimate Torque of Reinforced Rectangular Beams, Madhusudan Chakraborty, ST3:Mar 79:653:14466
Wood Beams Under Impact Load, Borislav D. Zakic, ST7:July 79:1489:14690

Bearing Capacity
Bearing Capacity of Footings on Layered C-Φ Soils, B. Satyanarayana and R. K. Garg, TN: GT7:July 80:819:15578
Floating Ice Platforms: Offshore Oil Exploration, D. M. Masterson and H. R. Kivisild, ST1:Jan 80:133: 15101
Foundation Performance of Tower of Pisa, James K. Mitchell, Vitoon Vivatrat and T. William Lambe, GT3:Mar 77:227:12814
Foundation Stability on Nonhomogeneous Clays, James D. Murff and Terrell W. Miller, GT10:Oct 77:1083:13302
Intrusion Pile Foundation Case History, Larry G. O'Dell and John M. Pool, GTDF:80:300
Load Tests on Piles Driven into Cretaceous Sand, Richard E. Ackley and Richard L. Sanders, GTDF: 80:1
Low Velocity Projectile Penetration of Clay, Umesh Dayal, John H. Allen and Dronnadula V. Reddy, GT8:Aug 80:919:15657
Plain Concrete Underreams for Drilled Shafts, J. Steven Farr and Lymon C. Reese, ST6:June 80: 1329:15503
Plasticity Solutions for Concrete Splitting Tests, Wai F. Chen and Tse-Yung P. Chang, EM3:June 78: 691:13852
Tensile Strength of Concrete: Double-Punch Test, Wai F. Chen and Robert L. Yuan, ST8:Aug 80: 1673:15593
Thin Light-Gage Bolted Connections Without Washers, Robert T. Gilchrist, Jr. and Ken P. Chong, ST1:Jan 79:175:14306
Treatment of Peaty Clay by High Energy Impact, Salem D. Ramaswamy, Mohamed A. Aziz, Raja V. Subrahmanyam, M. H. Abdul Khader and Seng-Lip Lee, GT8:Aug 79:957:14787
Uplift and Bearing Capacity of Short Piers in Sand, Nabil F. Ismael and Tony W. Klym, GT5:May 79: 579:14568

Bearing Design
Increase Seismic Resistance Of Highway Bridges Using Improved Bearing Design concepts, Roy A. Imbsen and Richard V. Nutt, EM81:Jan 81:416

Beautification
Facelifting City Streets, Warren Travers, CE:Aug 79: 79

Bedding
Specifying Pipeline Construction, Milton J. Hecker, TE4:July 79:361:14699
Study of Pipe with Concrete Bedding—Part III, Harvey C. Olander and James W. Davidson, TE6: Nov 80:631:15838

Bed Forms
Bedform Spacing and Flow Resistance, Timothy R.H. Davies, HY3:Mar 80:423:15258
Effective Depth in Channels Having Bed Undulations, Chittoor R.S. Pillai, HY1:Jan 79:67: 14336
Fluid Dynamic Lift on a Bed Particle, Timothy R.H. Davies and Mohamed F.A. Samad, HY8:Aug 78: 1171:13976
Sand Bed Friction Factors for Oscillatory Flows, Philip Vitale, WW3:Aug 79:229:14754
Statistical Properties of Sediment Bed Profiles, Hsieh Wen Shen and Hin Fatt Cheong, HY11:Nov 77: 1303:13348
Steepness of Sedimentary Dunes, Mehmet Selim Yalin and Emin Karahan, HY4:Apr 79:381:14502

Bed Load
Calibration of Bed-Load Samplers, Peter Engel and Y. Lam Lau, TN: HY10:Oct 80:1679:15725
Compartmented Sediment Trap, Peter J. Murphy and Magdy I. Amin, HY5:May 79:489:14577
Computation of Bed Load Using Bathymetric Data, Peter Engel and Y. Lam lau, HY3:Mar 80:369: 15255
Downstream Effects of Stormwater Management Basins, Richard H. McCuen, HY11:Nov 79:1343: 14977
Dynamic Model for Channel Bed Erosion, Donald A. Drew, HY6:June 79:721:14634
Inception of Sediment Transport, Mehmet Selim Yalin and Emin Karahan, HY11:Nov 79:1433: 14975
Low Sediment Transport Rates Over Flat Beds, Peter A. Mantz, HY7:July 80:1173:15526
Mathematical Modeling of Sediment Deposition in Reservoirs, Yung Hai Chen, Jose L. Lopez and Everett V. Richardson, HY12:Dec 78:1605:14250
Measurements of Bed Load in Oscillatory Flow, John F.A. Sleath, WW3:Aug 78:291:13960
Mississippi River Shoaling: A Diagnostic Study, Tatsuaki Nakato, Richard M. Baker and John F. Kennedy, HY11:Nov 79:1375:14978
Sand Bed Instability Due to Bed Load Motion, Hiroji Nakagawa and Tetsuro Tsujimoto, HY12:Dec 80: 2029:15936
Sedimentation in Iron Gates Reservoir on the Danube, Vlad Focsa, HY10:Oct 80:1659:15782
Sediment Transport in a Pool-Riffle Stream, James Milligan, Edward Chacho and Myron Molnau, IRKB:July 80:430
Snowmelt Sediment from Sierra Nevada Headwaters, Clarence M. Skau, John C. Brown and John A. Nadolski, IRKB:July 80:418
Statistical Analysis of Concentration Records, Joe C. Willis and Gerald C. Bolton, HY1:Jan 79:1:14310
Statistical Analysis of Sediment Motions on Dunes, Che S. Hung and Hsieh Wen Shen, HY3:Mar 79: 213:14438
Statistical Properties of Sediment Bed Profiles, Hsieh Wen Shen and Hin Fatt Cheong, HY11:Nov 77: 1303:13348
Total Load of Bed Materials in Open Channels, Hideo Kikkawa and Tadaharu Ishikawa, HY7:July 78:1045:13895
Urban Runoff Pollution and Water Quality Planning, William Whipple, Jr., TC1:Aug 80:101:15632

Bedload Movement
Computation of Bed Load Using Bathymetric Data, Peter Engel and Y. Lam lau, HY3:Mar 80:369: 15255
Dynamic Model for Channel Bed Erosion, Donald A. Drew, HY6:June 79:721:14634
Geomorphic Evidence of Frequent and Extreme Floods, James C. Knox, EFHYF:Mar 79:220
Measurements of Bed Load in Oscillatory Flow, John F.A. Sleath, WW3:Aug 78:291:13960
Modeling Alluvial Channel Bed Transients, Victor Miguel Ponce, Jesus Lopez Garcia and Daryl B. Simons, HY3:Mar 79:245:14456

Bed Movements
Fluid Dynamic Lift on a Bed Particle, Timothy R.H. Davies and Mohamed F.A. Samad, HY8:Aug 78: 1171:13976

Bed Ripples
Bedform Spacing and Flow Resistance, Timothy R.H. Davies, HY3:Mar 80:423:15258

Bed Roughness
Finite Element Modeling of Nearshore Currents, Philip La-Fan Liu and Gerard P. Lennon, WW2: May 78:175:13719
Geometry of Gravel Streams, Howard H. Chang, HY9:Sept 80:1443:15678
Geometry of Rivers in Regime, Howard H. Chang, HY6:June 79:691:14640

Beds
Damping of Gravity Waves Over Porous Bed, Kewal K. Puri, HY2:Feb 80:303:15214

Bench Marks
Streamflow Network in The Province of Alberta, 1980, Hans Ryckborst, IRKA:July 80:63

Bending
Accuracy of Composite Section Nonlinear Solutions, Luc Lachance and Clifford O. Hays, Jr., ST11:Nov 80:2203:15801
Arch Optimization Using Prager-Shield Criteria, George I.N. Rozvany, Wang Chien Ming and Murray Dow, EM6:Dec 80:1279:15914
Bending and Torsion Interaction of Box Girders, Conrad P. Heins and Robert S. Humphreys, ST5: May 79:891:14587
Biaxial Bending of Reinforced Concrete Columns, Louis F. Geschwindner, Jr., Preprint No.80-024, Apr 80, 16pp.
Biaxial Bending Simplified, Himat T. Solanki, TN: ST5:May 80:1198:15384
Biaxially Loaded Concrete Sections, M. Pinto de Magalhaes, ST12:Dec 79:2639:15058
Standard Prestressed Concrete Beam Design, David S. Hatcher, ST1:Jan 80:23:15106

Bending Moments
Analysis of Stiffened Slabs-on-Ground over Expansive Soil, Warren K. Wray, SLS:June 80:558
Construction and Design of Light Structures in Peru, A. Carrillo-Gil, SLS:June 80:469
Direct Flexural Design of Prestressed Concrete, David S. Hatcher, ST8:Aug 78:1231:13958
The Structural Analysis of Footings on Expansive Soil, P. W. Mitchell, SLS:June 80:438

Bends (Hydraulic)
Shear-Stress Distribution in Stable Channel Bends, Mamdouh Nouh and Ronald D. Townsend, HY10: Oct 79:1233:14898
Supercritical Flow in Bends of Trapezoidal Section, Charles W. Lenau, EM1:Feb 79:43:14369

Benefit Cost Analysis
Comparison of Tangibles and Intangibles, Ian G. Wallis, EE4:Aug 78:625:13959
Construction Cost Estimating in the Design Process, George S. Birrell, CO4:Dec 80:551:15880
Correction of Bidding Errors: The Belgian Solution, Frans Van Cauwelaert and Ernst Heynig, CO1:Mar 79:13:14411
Dam Failure in Benefit/Cost Analysis, Gregory Baecher, Marie-Elisabeth Pate and Richard de Neufville, TN: GT1:Jan 80:101:15100
Determining Feasibility of Small-Scale Hydropower, David C. Willer, Preprint No.80-518, Oct 80, 10pp.
Economic Analysis of Control Measures, Tymen W. Hofflander, CAAA:Nov 79:270
Economic Model for Urban Watersheds, Thomas N. Debo and Gerald N. Day, HY4:Apr 80:475:15333
Economics and Water Resources Planning in America, L. Douglas James and Jerry R. Rogers, WR1:Mar 79:47:14427
Energy Facility Planning and Siting in the Coastal Zone, Donald E. Glass, CZ80:Nov 80:396
Feasibility of Five Low-Head Hydro Projects, James V. Williamson and Anthony Wayne Pietz, EY1:Apr 80:57:15327
Freight Pipeline, Rail, and Truck Cost Comparison, Iraj Zandi, John A. Warner and Ronald Mersky, TE4:July 79:411:14703
Highway Safety: Pyrrhic Victory, Sally Free, HW80: Mar 80:87
Hydrologic Telemetry from Remote Areas, Robert A. Halliday, ASDC:80:329
Identification and Nature of Risks—C, Alfred C. Maevis, CRLS:Jan 79:II-35
Improving Highway Investment Programming Methods, Lance A. Neumann, TE5:Sept 80:599: 15692
Indirect Benefits of Cogeneration District Heating, Danilo J. Santini and Elliot P. Levine, Preprint No.80-672, Oct 80, 16pp.
Lake Byllesby Dam — Mitigation of Hazard, Lawrence W. Gubbe, Preprint No.80-054, Apr 80, 22pp.
Michigan's System for Improved Highway Safety, Donald E. Orne, HW80:Mar 80:19
National Highway Safety Program Effectiveness, Thomas A. Hall, TE4:July 78:449:13878
Photogeodesy, James Collins, ASDC:80:309
A Problem Identification and Evaluation System, David B. Brown, HW80:Mar 80:61
Public Water Supply Protection Benefits, Michael B. Sonnen, EE3:June 79:511:14604
Railroad Electrification in the Pacific Area, Willard D. Weiss, MGC:July 80:117
Real-Time Data Collection Via Satellite for Water Management, William G. Shope and Richard W. Paulson, Preprint No.80-561, Oct 80, 14pp.
Reinforced Thermosetting Resin Pipe, B. Jay Schrock, Chmn., TE2:Mar 79:165:14450
Seismic Resistance of Existing Buildings, Robert V. Whitman, Frank J. Heger, Rene W. Luft and Frederick Krimgold, ST7:July 80:1573:15564
Sources of Computers for Small Engineering Firms, Morton B. Lipetz, CP80:June 80:592
User Cost Analysis in Urban Freeway Rehabilitation, Timothy R. Neuman, TE6:Nov 79:623:14990
U.S. Water Policy: Putting the Lid on the Pork Barrel, Virginia Fairweather, CE:Apr 80:53
Water Planning-Overview, Eugene W. Weber, WR1: Mar 79:3:14431
Water Supply Feasibility Studies in Philippines, Leonardo V. Gutierrez, Jr., UP1:May 78:59:13726

Benefit-Cost Ratios
The Impact of EIS Requirements of Hawaii's Transportation Programs, Ryokichi Higashionna, MGC:July 80:204
Perceiving the Unseen Value of Coastal Wetlands, James D. Sears, CZ80:Nov 80:484
The PMD Program—One State's View, Roger L. Hatton, HW80:Mar 80:149
The Rail-Highway Grade Crossing Program—A State's View, Robert E. Craven, HW80:Mar 80:124

Benefits
Suite of Mathematical Flood Plain Models, Heinz Willi Weiss and Desmond Clifford Midgley, HY3: Mar 78:361:13604

Bentonite
Soil-Bentonite Slurry Trench Cutoffs, David J. D'Appolonia, GT4:Apr 80:399:15372

Bents (Structural)
In House Preprocessors for ICES STRUDL, John G. Janssen and Edward T. Manning, Jr., CP80:June 80:670

Berths
Alyeska — Crude Loading Port, Ernest W. Brumitt and David G. Dixon, PO80:May 80:218
The Berthing of a Ship to a Jetty, H. L. Fontijn, WW2:May 80:239:15407
Bintulu Malaysia LNG Project, Clemence L. Cameron and Samuel P. Lin, PO80:May 80:455
Fendering Requirements/Design Fender Impact Criteria, J. S. Balfour, J. C. Feben and D. L. Martin, PO80:May 80:504
Fender System Requirements at Open-Sea Berths, Bela Koman, PO80:May 80:520
Math Model for Harbor Waves/Ship Motions/ Moorings, Herman Bomze, PO80:May 80:624

POL Pier Damage Investigation and Recommendations, Chinymiim Chern and James C. Wright, PO80:May 80:399
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Bicycle/Motor Vehicle Accidents in Kentucky, K. R. Agent, C. V. Zegeer and Robert C. Deen, TE3:May 80:283:15413

Bids
Allocation of Risks — A, William S. Alldredge, CRLS:Jan 79:I-39
Allocation of Risks—B, Terence G. McCusker, CRLS:Jan 79:II-56
Allocation of Risks—D, George Ziegler, CRLS:Jan 79:II-69
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Correction of Bidding Errors: The Belgian Solution, Frans Van Cauwelaert and Ernst Heynig, CO1:Mar 79:13:14411
Minimizing Risks and Mitigating Losses—A, William Cullen, CRLS:Jan 79:II-127
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An optimum Bid Approximation Model, Paul Sugrue, CO4:Dec 80:499:15885

Bifurcations
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Sulfur: Potential Pavement Binder of the Future, Gerald D. Love, TE5:Sept 79:525:14835
Sulphur Asphalt Field Trials in Texas, Bob M. Gallaway and Fred J. Benson, MGC:July 80:366

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Aquaculture Systems for Wastewater Treatment, Edward R. Pershe, EE80:July 80:103
Engineering Design Variables for the Activated Sludge Process, Lloyd W. Weller, Chmn., EE3:June 80:473:15509
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Parameter Estimation of Streeter-Phelps Models, Sergio Rinaldi, Paolo Romano and Rodolfo Soncini-Sessa, EE1:Feb 79:75:14377
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Anaerobic Digestion of Waste and Activated Sludge, James M. Gossett and Roy L. Belser, EE80:July 80:33
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Use of Porous Dike to Reduce Entrainment and Entrapment in Power Plant Cooling Water Systems, Barry A. Ketschke, CZ80:Nov 80:649

Biological Properties
Biological Contamination of Finished Water Reservoirs, J. Sykora, Maurice A. Shapiro and G. Keleti, EE80:July 80:267
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Biomechanics
Biomechanics of Vegetative Channel Linings, Nicholas Kouwen and Ruh-Ming Li, HY6:June 80: 1085:15464

Birefringence
Visualization of Separation Over Sand Waves, M. Emin Karahan and Allan W. Peterson, HY8:Aug 80:1345:15652

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Lateral Pressure Development Under Surcharges, R. P. Joshi and R. K. Katti, SLS:June 80:227

Blast Effects
Lateral Loads on Power Boilers, Hugh W. Hempel, EY2:Aug 79:241:14751

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Small Craft Harbor Evaluation, Phillip Alan Cline, CZ80:Nov 80:942

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Bonded Joints
Stress Analysis of Bonded Plates and Joints, Umur Yuceoglu and Dean P. Updike, EM1:Feb 80:37: 15189

Bonding
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Prestressed Concrete Beams with Transverse Circular Holes, Sk. Abdus Salam and Jack Harrop, ST3:Mar 79:635:14465
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Bonding Strength
Bending of Laminated Cantilever Beams with Interlayer Slip, Hiroyuki Suzuki and Tse-Yung P. Chang, ST2:Feb 79:269:14366
Cracking in Concrete Pavements, Robert C. Deen, James H. Havens, Assaf S. Rahal and W. Vernon Azevedo, TE2:Mar 80:155:15273

Bond Issues
Voter Reaction to Multiple-Use Drainage Projects, Thomas N. Debo and James T. Williams, WR2:Sept 79:295:14843

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Fracture Mechanics of Reinforced Concrete, Zdenek P. Bazant and Luigi Cedolin, EM6:Dec 80:1287: 15917
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Measured Response of Pile Supported Machines, Gerald M. Diaz, GTDF:80:75

Borehole Geophysics
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Flow Resistance of Large-Scale Roughness, James C. Bathurst, HY12:Dec 78:1587:14239

Boundaries
Integral Equation Method for linear Water Waves, James R. Salmon, Philip La-Fan Liu and James A. Liggett, HY12:Dec 80:1995:15932
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Boundaries (Property)
Proposed Right-of-Way Policy, William T. Wambach, Jr., Chmn., SU1:Nov 79:35:14956

Boundary Conditions
Aquifer Diffusivity from Noisy Boundary Data, Budhi Sagar and Sita Ram Singh, HY8:Aug 79:943:14765
Deflection Bounding at Shakedown, Francis Tin Loi, TN: ST5:May 80:1209:15384
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Second-Order Standing Waves Bounded by Circular Cylinders, John N. Hunt and Rafik E. Baddour, TN: WW1:Feb 80:122:15166
Singularities in Darcy Flow Through Porous Media, Olurinde E. Lafe, J. Sergio Montes, Alexander H-D. Cheng, James A. Liggett and Philip La-Fan Liu, HY6:June 80:977:15467

Boundary Layer
Boundary Layers in Developing Open Channel Flow, Edward Silberman, TN: HY7:July 80:1237:15516
Flow Visualization in Complex Turbulent Flows, Louis H.Y. Lee and Joseph A. Clark, HY2:Feb 80:247:15209
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Boundary Processes
Boundary Elements in Stress Analysis, Carlos A. Brebbia and Roberto Nakaguma, EM1:Feb 79:55:14338
Boundary Solutions to Two Problems in Porous Media, Philip La-Fan Liu and James A. Liggett, HY3:Mar 79:171:14419

Boundary Shear
Flow Resistance of Large-Scale Roughness, James C. Bathurst, HY12:Dec 78:1587:14239
Hydraulic Resistance of Artificial Strip Roughness, Donald W. Knight and J. Alasdair Macdonald, HY6:June 79:675:14635
Mixing of Buoyant Surface Jet over Sloping Bottom, Bijan Safaie, WW4:Nov 79:357:14954
Open Channel Flow with Varying Bed Roughness, Donald W. Knight and J. Alasdair Macdonald, HY9:Sept 79:1167:14839
Sand Motion Initiation by Waves: Two Asymptotes, Robert Hallermeier, WW3:Aug 80:299:15603
Secondary Flow and Shear Stress at River Bends, James C. Bathurst, Colin R. Thorne and Richard D. Hey, HY10:Oct 79:1277:14906
Shearing Flows of Granular Materials, Stephen L. Passman, Jace W. Nunziato, Paul B. Bailey and John P. Thomas, Jr., EM4:Aug 80:773:15647
Shear-Stress Distribution in Stable Channel Bends, Mamdouh Nouh and Ronald D. Townsend, HY10:Oct 79:1233:14898

Boundary Value Problems
Quasilinear Integration of Elasto-Plastic Shells, Habid U. Ahmed and John W. Leonard, EM1:Feb 79:91:14371
Stochastic Model of Water Table under Drainage, Budhi Sagar and Christian Preller, IR3:Sept 80:189:15673

Boundary Values
Boundary Element Analysis Of Reservoir Vibration, Jagmohan L. Humar and Youssef G. Hanna, EM81:Jan 81:461
Dependency of Astronomic Tide and Hurricane Surge, Richard A. Schmalz, Jr., HYUS:June 80:7
Graded and Perfect Disorder in Random Media Elasticity, Ekkehart Kroner, EM5:Oct 80:889:15754
Moving Boundary Numerical Surge Model, Gour-Tsyh Yeh and Fang-Kuo Chou, WW3:Aug 79:247:14758
New Index of Reliability, Daniele Veneziano, EM2:Apr 79:277:14515

Box Beams
Local Buckling of Beams under Stress Gradient, Yei L. Tien and Shien T. Wang, ST8:Aug 79:1571:14774
Natural Frequency of Curved Box Girder Bridges, Conrad P. Heins and M. A. Sahin, ST12:Dec 79:2591:15064
Torsion of Solid and Hollow Rectangular Beams, David J. Just and William J. Walley, ST9:Sept 79:1789:14845

Box Girders
Bending and Torsion Interaction of Box Girders, Conrad P. Heins and Robert S. Humphreys, ST5:May 79:891:14587
Multiple Configuration Curved Bridge Model Studies, Paul J. Brennan and James A. Mandel, ST5:May 79:875:14585

Bracing
An Application of Eccentric Bracing in a Tall Building, Andrew T. Merovich, Joseph P. Nicoletti and Earl Hartle, Preprint No.80-592, Oct 80, 14pp.
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Bridge Redundancy: Effects of Bracing, Conrad P. Heins and Cheng K. Hou, TN: ST6:June 80:1364:15451

Cross-Bracing Design, John T. DeWolf and Joseph F. Pelliccione, ST7:July 79:1379:14680
Cyclic Response Prediction for Braced Steel Frames, Bruce F. Maison and Egor P. Popov, ST7:July 80: 1401:15534
Eccentrically Braced Steel Frames for Earthquakes, Charles W. Roeder and Egor P. Popov, ST3:Mar 78:391:13619
Friction Devices To Control Seismic Response, Cedric Marsh and Avtar S. Pall, EM81:Jan 81:809
Hysteretic Cycles of Axially Loaded Steel Members, Ashok K. Jain, Subhash C. Goel and Robert D. Hanson, ST8:Aug 80:1777:15607
Inelastic Cyclic Behavior of Tubular Braced Frames, Egor P. Popov, Stephen A. Mahin and Victor A. Zayas, ST12:Dec 80:2375:15918
Seismic Response of Eccentrically Braced Frames, Ashok K. Jain and Subhash C. Goel, ST4:Apr 80: 843:15338
Skewed Bridges with Intermediate Transverse Bracings, M. Sherif Aggour and M. Shafik Aggour, ST8:Aug 79:1621:14782
Unbraced Length Requirements for Steel I-Beams, Morris Ojalvo and Ronald R. Weaver, ST3:Mar 78: 479:13634

Brackish Water
Response of Cotton to Brackish Irrigation Water (Abstract), Stephen L. Rawlins and James D. Rhoades, IRKA:July 80:197

Braiding
Geometry of Gravel Streams, Howard H. Chang, HY9:Sept 80:1443:15678
Geometry of Rivers in Regime, Howard H. Chang, HY6:June 79:691:14640

Braking
Vehicle Braking on Highway Bridges, Radhey K. Gupta and Rupert W. Traill-Nash, EM4:Aug 80: 641:15615

Braking Forces
Dynamic Loading of Highway Bridges, Radhey K. Gupta, EM2:Apr 80:377:15359
Vehicle Braking on Highway Bridges, Radhey K. Gupta and Rupert W. Traill-Nash, EM4:Aug 80: 641:15615

Brazil
Amazon Basin Hydrometeorology, Allen T. Hjelmfelt, Jr., HY6:June 78:887:13825
Pile Field Support Prefabricated Plants Floated into Place, Elmer Isaak and Sidney Johnson, CE:Jan 80: 61
Stand-Off Force on Ships Moored in Strong Current, Jitendra Khanna and Torben Sorensen, PO80:May 80:731

Breaking
Dynamics of Growth and Breakage of Alum Floc in Presence of Fluid Shear, John D. Boadway, EE5: Oct 78:901:14084

Breakwaters
Air-Water Flow in Coarse Granular Media, Alim A. Hannoura and John A. McCorquodale, HY7:July 78:1001:13888
Bintulu Malaysia LNG Project, Clemence L. Cameron and Samuel P. Lin, PO80:May 80:455
Design Criteria for Floating Tire Breakwaters, Volker W. Harms, WW2:May 79:149:14570
Diffraction of Waves by Shore-Connected Breakwater, Volker W. Harms, HY12:Dec 79:1501: 15075
Geotechnical Aspects of Rubble-Mound Coastal Structures, Donald D. Treadwell, Albert P. Ridley and Orville T. Magoon, PO80:May 80:801
Large Rubble-Mound Breakwater Failures, Eugene H. Harlow, TN: WW2:May 80:275:15385
Performance Analysis of Tethered Float Breakwater, Richard J. Seymour and Daniel M. Hanes, WW3: Aug 79:265:14755
Reinforced Earth Structures for Port Development, David P. McKittrick, PO80:May 80:786
Virtual Mass of Coarse Granular Media, Alim A. Hannoura and John A. McCorquodale, WW2:May 78:191:13734
Waterfront Master Plan for Kenosha, Wisconsin, J. William Allen, Thomas W. Wood and Ian J. McAlister, CZ80:Nov 80:267
Wave Dampening Due to Rubblemound Breakwaters, Michael de St.Q. Isaacson, WW4:Nov 78:391: 14178
Wave Diffraction by Absorbing Wedge, Jesper Larsen, WW4:Nov 79:439:15000

Brick Construction
Estimating Masonry Wall and Column Costs, Clayford T. Grimm, CO4:Dec 77:627:13413

Brick Masonry
Estimating Masonry Wall and Column Costs, Clayford T. Grimm, CO4:Dec 77:627:13413

Bricks
Differential Movement in Composite Load-Bearing Masonry Walls, Clayford T. Grimm and David W. Fowler, ST7:July 79:1277:14666
Finite Element Model for Masonry, Adrian W. Page, ST8:Aug 78:1267:13957

Bridge Abutments
Performance of Bridge Abutments on Spread Footings, Albert F. DiMillio, Preprint No.80-534, Oct 80, 9pp.
Seismic Design of Highway Bridges in the United States, Roland L. Sharpe, Ronald L. Mayes and James D. Cooper, TC1:Aug 80:13:15604

Bridge Approaches
Safety Aspects of the Bridge Reconstruction and Rehabilitation Program, Rex C. Leathers, HW80: Mar 80:165

Bridge Barrier Rails
Safety Aspects of the Bridge Reconstruction and Rehabilitation Program, Rex C. Leathers, HW80: Mar 80:165

Bridge Construction
America's Covered Bridges, Donald O. Barth, CE: Feb 80:51
Erection Strength Adequacy of Long Truss Cantilevers, Jackson L. Durkee and Spiro S. Thomaides, ST1:Jan 77:225:12698
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Bridge Decks
BRANDE IV — A Bridge Analysis System, William C. McCarthy, Kenneth R. White and John Minor, CP80:June 80:461
Golden Gate Bridge — Deck Investigation, Harry D. Reilich and Frank L. Stahl, Preprint No.80-051, Apr 80, 22pp.

Bridge Design
Analysis of Floating Bridges: The Hood Canal Bridge, Rene W. Luft, EM81:Jan 81:1
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Calculated Examples Of Long-Span Bridge RESPONSE TO WIND, Lawrence Rubin and Robert H. Scanlan, EM81:Jan 81:307
Commentary on Design Loads for Bridges, Peter Graham Buckland, Chmn., Preprint No.80-173, Apr 80, 73pp.
Computer Applications Bridge Inventory and Inspection Program, Avanti C. Shroff, CP80:June 80:471
Computerizing Public Works Design, Ann E. Seltz-Petrash, CE:May 80:76

Dynamics of Near-Optimal Spans with Moving Loads, James F. Wilson and Serghios T. Barbas, Preprint No.80-654, Oct 80, 14pp.
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Wilhelm Ritter: Teacher of Maillart and Ammann, David P. Billington, ST5:May 80:1103:15416

Bridge Failure
Computer Applications Bridge Inventory and Inspection Program, Avanti C. Shroff, CP80:June 80:471
Long Time Observation of a Fatigue Damaged Bridge, John W. Fisher, Robert E. Slockbower, Hans Hausammann and Alan W. Pense, Preprint No.80-029, Apr 80, 22pp.
Part Two: Basics in Failure Analysis of Large Structures, Richard Roberts and Alan W. Pense, CE:July 80:60
Selection of Critical Bridges for Retrofitting, Anatole Longinow, James D. Cooper and Ernest Bergmann, TC1:Apr 79:197:14542

Bridge Failures
History and Esthetics in Suspension Bridges, David P. Billington, ST8:Aug 77:1655:13143

Bridge Foundations
Performance of Bridge Abutments on Spread Footings, Albert F. DiMillio, Preprint No.80-534, Oct 80, 9pp.
Pile Cap Soil Interaction from Full-Scale Lateral Load Tests, Jai B. Kim, Lakshman P. Singh and Robert J. Brungraber, GT5:May 79:643:14571
Seismic Design of Highway Bridges in the United States, Roland L. Sharpe, Ronald L. Mayes and James D. Cooper, TC1:Aug 80:13:15604

Bridge Inspection
Alaska's Native Log Bridges, Frank W. Muchmore and Roger L. Tuomi, CE:Feb 80:54
Transportation Engineering Research Needs, CE:Nov 79:89

Bridge Maintenance
Re-decking a Bridge With Precast Concrete, Clarence V. Knudsen, CE:Apr 80:75
Safety Aspects of the Bridge Reconstruction and Rehabilitation Program, Rex C. Leathers, HW80: Mar 80:165
Transportation Engineering Research Needs, CE:Nov 79:89

Bridges
Earthquake Engineering for Transportation Lifelines, James H. Gates, C080:80:166
Measurements of On-Site Dynamic Parameters for Seismic Evaluations, Roger M. Zimmerman and Kenneth R. White, EM81:Jan 81:267

Bridges (Arch)
Design and Construction of the Greenborough Footbridge, H. R. Carlin-Smith, MGC:July 80:290
Limit Analysis of Reinforced Concrete Arch Bridges, Paola Ronca and M. Z. Cohn, ST2:Feb 79:313: 14337

Bridges (Box Girder)
Box Girder Bridge Diaphragms with Openings, Michel A. Sargious, Walter H. Dilger and Hugh Hawk, ST1:Jan 79:53:14314
Interstate 1-205 Columbia River Bridge, Fred P. Blanchard and Marvin E. Parala, Preprint No.80-077, Apr 80, 16pp.
Natural Frequency of Curved Box Girder Bridges, Conrad P. Heins and M. A. Sahin, ST12:Dec 79: 2591:15064
Parrotts Ferry Bridge: Pioneer in Lightweight, Pumped Concrete, George C. Weddell and Paul F. Kavanaugh, CE:June 80:83
Proportioning of Box Girder Bridges, Conrad P. Heins and Li-Jen Hua, TN: ST11:Nov 80:2345: 15792
Proposed Specifications for Steel Box Girder Bridges, Roman Wolchuk, ST12:Dec 80:2463:15942

Bridges (Cable-Stayed)
Active Control and Stability of Cable-Stayed Bridge, Jann-Nan Yang and Fanis Giannopoulos, EM4:Aug 79:677:14762
Active Control of Two-Cable-Stayed Bridge, Jann-Nan Yang and Fanis Giannopoulos, EM5:Oct 79: 795:14899
Dynamic Analysis of Cable-Hung Ruck-A-Chucky Bridge, Zung-An Lu, ST10:Oct 79:2009:14918
Intercity Bridge: First Major U.S. Cable-Stayed Bridge, Arvid Grant, CE:June 79:71
Stability Analysis of Cable-Stayed Rigid Frames, Chu-Kia Wang and Jon K. Stiller, ST11:Nov 79: 2383:15002

Bridges (Cantilever)
Aerodynamic Response of Long H-Sections, Francis J. Maher and Larry E. Wittig, ST1:Jan 80:183: 15105

Bridges (Concrete)
Analysis of Curved, Prestressed, Segmental Bridges, Stefanus F. van Zyl and Alexander C. Scordelis, ST11:Nov 79:2399:14986
Intercity Bridge: First Major U.S. Cable-Stayed Bridge, Arvid Grant, CE:June 79:71
I-205 Columbia River Bridge Design and Construction, Fred P. Blanchard, Preprint No.80-554, Oct 80, 11pp.
Parrotts Ferry Bridge: Pioneer in Lightweight, Pumped Concrete, George C. Weddell and Paul F. Kavanaugh, CE:June 80:83
Postcracking Compliance Analysis of RC Beams, Clarence W. deSilva, Oral Buyukozturk and David N. Wormley, ST1:Jan 79:35:14304
Re-decking a Bridge With Precast Concrete, Clarence V. Knudsen, CE:Apr 80:75
Settlement-Induced Forces in Concrete Bridges, Alfred G. Bishara and Shih-Zong Jang, ST7:July 80:1423:15522
Vail Pass Highway—Respecter of Mountain Ecology, CE:June 80:70

Bridges (Decking)
Re-decking a Bridge With Precast Concrete, Clarence V. Knudsen, CE:Apr 80:75

Bridges (Girder)
Continuous Composite-Bridge Model Tests, Paul W. Botzler and James Colville, ST9:Sept 79:1741: 14824
Evaluations of Fracture of Lafayette Street Bridge, John W. Fisher, Alan W. Pense and Richard Roberts, ST7:July 77:1339:13059
Fatigue of Steel Beams by Simulated Bridge Traffic, Charles G. Schilling and Karl H. Klippstein, ST8: Aug 77:1561:13123
Fatigue of Steel Beams with Groove-Welded Flanges, Garry R. Bardell and Geoffrey L. Kulak, ST9:Sept 80:1855:15685
Finite Element Analysis of Box Girders, Martti J. Mikkola and Juha Paavola, ST6:June 80:1343: 15498
Matrix Formulation of Curved Girders, Chai Hong Yoo, EM6:Dec 79:971:15078
Minimum Weight Design, Ernest E. Nester and Furman W. Barton, Preprint No.80-503, Oct 80, 13pp.
Multiple Configuration Curved Bridge Model Studies, Paul J. Brennan and James A. Mandel, ST5:May 79:875:14585
Tapered Steel Beams Loaded within Tip, Gwynne Davies and Satya Narayan Mandal, ST3:Mar 79: 589:14453

Bridges (Highway)
Dynamic Loading of Highway Bridges, Radhey K. Gupta, EM2:Apr 80:377:15359
LFD Criteria for Composite Steel I-Beam Bridges, Conrad P. Heins, ST11:Nov 80:2297:15803
New Method for Fatigue Design of Bridges, Charles G. Schilling and Karl H. Klippstein, ST3:Mar 78: 425:13618
Reliability Analysis of Highway Bridge Vehicle Loadings, Fred Moses, Preprint No.80-008, Apr 80, 22pp.
Seismic Design of Highway Bridges in the United States, Roland L. Sharpe, Ronald L. Mayes and James D. Cooper, TC1:Aug 80:13:15604
Tolerable Movement Criteria for Highway Bridges — Field Studies, Lyle K. Moulton, Hota V.S. GangaRao, Maher K. Tadros and Grant T. Halvorsen, Preprint No.80-567, Oct 80, 18pp.
Vibration Properties of Curved Thin-Walled Beams, Avigdor V. Rutenberg, ST7:July 79:1445:14687

Bridges (Orthotropic)
Prestressed Waffle Slab Bridges—Elastic Behavior, John B. Kennedy and Ibrahim S. El-Sebakhy, ST12: Dec 80:2443:15929

Bridges (Piers)
Bridge Pier Protective Systems, R. T. Mancill, Jr. and K. N. Derucher, PO80:May 80:778
Scour Around Bridge Piers at High Flow Velocities, Subhash C. Jain and Edward E. Fischer, HY11:Nov 80:1827:15845

Bridges (Spans)
Automated Suspension Bridge Analysis by Symmetry, Harold Samelson and Harold T. Fink, CP80:June 80:484
Calculated Examples Of Long-Span Bridge RESPONSE TO WIND, Lawrence Rubin and Robert H. Scanlan, EM81:Jan 81:307
Dynamics of Near-Optimal Spans with Moving Loads, James F. Wilson and Serghios T. Barbas, Preprint No.80-654, Oct 80, 14pp.

Bridges (Steel)
Autostress Design of Steel Bridges, Geerhard Haaijer, Phillip S. Carskaddan and M. A. Grubb, Preprint No.80-519, Oct 80, 14pp.
Fatigue Tests of 3-yr Weathered A588 Steel Weldment, Pedro Albrecht and Ian M. Friedland, ST5:May 80:991:15415
Proposed Specifications for Steel Box Girder Bridges, Roman Wolchuk, ST12:Dec 80:2463:15942
Research Needs in Stability of Metal Structures, Reidar Bjorhovde, ST12:Dec 80:2425:15926
Skewed Bridges with Intermediate Transverse Bracings, M. Sherif Aggour and M. Shafik Aggour, ST8:Aug 79:1621:14782
Vibration Of A Steel Truss Highway Bridge, Celal N. Kostem, Robert T. Reese and T. Robert Kealey, EM81:Jan 81:61
Wilhelm Ritter: Teacher of Maillart and Ammann, David P. Billington, ST5:May 80:1103:15416

Bridges (Structures)
Aesthetic Development of California's Bridges, Arthur L. Elliott, Preprint No.80-004, Apr 80, 22pp.
Alaska's Native Log Bridges, Frank W. Muchmore and Roger L. Tuomi, CE:Feb 80:54
Box Girder Bridge Diaphragms with Openings, Michel A. Sargious, Walter H. Dilger and Hugh Hawk, ST1:Jan 79:53:14314
Bridge Analysis and Rating System, Hasmukh M. Lathia, TC1:Apr 79:211:14538
Bridge Appearance, Colin O'Connor, Michael D. Burgess, Michael J. Egan and John L. Olsen, ST1: Jan 80:331:15107
Bridge Redundancy: Effects of Bracing, Conrad P. Heins and Cheng K. Hou, TN: ST6:June 80:1364: 15451
Bridges as an Expression of Regional Aesthetics, David P. Billington, Preprint No.80-032, Apr 80, 21pp.
Commentary on Design Loads for Bridges, Peter Graham Buckland, Chmn., Preprint No.80-173, Apr 80, 73pp.
Diagnostic Testing of a Bridge, Baidar Bakht and Paul F. Csagoly, ST7:July 80:1515:15547
Esthetics in Oregon Bridges — McCullough to Date, Louis F. Pierce, Preprint No.80-026, Apr 80, 20pp.
Evaluation of Bridge Overloads, Kenneth R. White and John Minor, TE1:Jan 79:15:14279
Fatigue Strength of Fillet Welded Cruciform Joints, Karl H. Frank and John W. Fisher, ST9:Sept 79: 1727:14823
LFD Criteria for Composite Steel I-Beam Bridges, Conrad P. Heins, ST11:Nov 80:2297:15803
Lifeline Earthquake Engineering in Japan, Keizaburo Kubo, Tsuneo Katayama and Masamitsu Ohashi, TC1:Apr 79:221:14548
Long Time Observation of a Fatigue Damaged Bridge, John W. Fisher, Robert E. Slockbower, Hans Hausammann and Alan W. Pense, Preprint No.80-029, Apr 80, 22pp.
New Method for Fatigue Design of Bridges, Charles G. Schilling and Karl H. Klippstein, ST3:Mar 78: 425:13618
Ontario Writes New Bridge Code, Michael J. Bartos, Jr., CE:Mar 79:56
Optimal Control of Civil Engineering Structures, Mohamed Abdel-Rohman, Victor H. Quintana and Horst H. Leipholz, EM1:Feb 80:57:15192
Practical Bridge Code Calibration, Andrzej S. Nowak and Niels C. Lind, ST12:Dec 79:2497:15061
Prestressed Waffle Slab Bridges—Elastic Behavior, John B. Kennedy and Ibrahim S. El-Sebakhy, ST12: Dec 80:2443:15929
Probability Analysis of Historical Flood Data, Robert Gerard and Edward W. Karpuk, HY9:Sept 79:1153: 14834
Proportioning of Box Girder Bridges, Conrad P. Heins and Li-Jen Hua, TN: ST11:Nov 80:2345: 15792
Proposed Vehicle Loading of Long-Span Bridges, Peter Graham Buckland, Frank P.D. Navin, Jim V. Zidek and John P. McBryde, ST4:Apr 80:915: 15306
Railway-Bridge Impact: Simplified Train and Bridge Model, Kuang-Han Chu, Vijay K. Garg and Chaman L. Dhar, ST9:Sept 79:1823:14855
Recommended Design Loads for Bridges, Peter Graham Buckland, Chmn., Preprint No.80-173, Apr 80, 20pp.
Redundancy of Flexural Systems: State-of-the-Art, Chai Hong Yoo, Preprint No.80-587, Oct 80, 8pp.
Selection of Critical Bridges for Retrofitting, Anatole Longinow, James D. Cooper and Ernest Bergmann, TC1:Apr 79:197:14542
Structural Details and Bridge Performance, William G. Byers, ST7:July 79:1393:14678
Structural Response of Traveling Seismic Waves, Stuart D. Werner, Li Chi Lee, Hung Leung Wong and Mihailo D. Trifunac, ST12:Dec 79:2547:15059
Survey Control for I-205 Columbia River Bridge, John D. Howard, Preprint No.80-058, Apr 80, 14pp.
Temperature Distributions in Composite Bridges, Jack H. Emanuel and J. Leroy Hulsey, ST1:Jan 78: 65:13474
Torsional Analysis of Cutout Beams, Clarence W. de Silva and David N. Wormley, ST9:Sept 80:1933: 15713
Types of Segmental Construction: Precasting Versus In-Place Concreting, Felix Kulka, Charles Redfield and T. Y. Lin, Preprint No.80-636, Oct 80, 14pp.
U.S. Bridges and the Bias Toward Mediocrity, Rowland Richards, Jr., Preprint No.80-100, Apr 80, 17pp.
Vibrations of Curved Spans for Mass Transit, Thomas P. Joseph and James F. Wilson, EM2:Apr 80:255: 15361
Water System Improvement Program in Eugene, Oregon, James H. Brown, TE6:Nov 80:685:15839
Weigh-in-Motion System Using Instrumented Bridges, Fred Moses, TE3:May 79:233:14566
Wilhelm Ritter: Teacher of Maillart and Ammann, David P. Billington, ST5:May 80:1103:15416

Winter Roads and Ice Bridges, Ligouri M. Lefebvre, CE:Dec 79:54
World's First Iron Bridge, Marc H. Sawyer, CE:Dec 79:46

Bridges (Suspension)
Active Control and Stability of Cable-Stayed Bridge, Jann-Nan Yang and Fanis Giannopoulos, EM4:Aug 79:677:14762
Ambient Vibration Tests of Suspension Bridge, Ahmed M. Abdel-Ghaffar and George W. Housner, EM5:Oct 78:983:14065
Automated Suspension Bridge Analysis by Symmetry, Harold Samelson and Harold T. Fink, CP80:June 80:484
Dynamic Analysis of Cable-Hung Ruck-A-Chucky Bridge, Zung-An Lu, ST10:Oct 79:2009:14918
Free Torsional Vibrations of Suspension Bridges, Ahmed M. Abdel-Ghaffar, ST4:Apr 79:767:14535
Golden Gate Bridge — Deck Investigation, Harry D. Reilich and Frank L. Stahl, Preprint No.80-051, Apr 80, 22pp.
History and Esthetics in Suspension Bridges, David P. Billington, ST8:Aug 77:1655:13143
Motion of Suspension Bridges in Turbulent Winds, Y. K. Lin, EM6:Dec 79:921:15044
Quinnipiac River Bridge Cracking, John W. Fisher, Alan W. Pense, Hans Hausammann and George R. Irwin, ST4:Apr 80:773:15343
Suspension Bridge Vibration: Continuum Formulation, Ahmed M. Abdel-Ghaffar, Preprint No.80-018, Apr 80, 22pp.
Suspension Bridge Vibrations: Computed and Measured, Peter Graham Buckland, Roy Hooley, Brian D. Morgenstern, Johann H. Rainer and Aegide M. van Selst, ST5:May 79:859:14557
Vertical Vibration Analysis of Suspension Bridges, Ahmed M. Abdel-Ghaffar, ST10:Oct 80:2053:15759

Bridges (Truss)
America's Covered Bridges, Donald O. Barth, CE: Feb 80:51
Erection Strength Adequacy of Long Truss Cantilevers, Jackson L. Durkee and Spiro S. Thomaides, ST1:Jan 77:225:12698
Vibration Of A Steel Truss Highway Bridge, Celal N. Kostem, Robert T. Reese and T. Robert Kealey, EM81:Jan 81:61

Bridges (Wooden)
Alaska's Native Log Bridges, Frank W. Muchmore and Roger L. Tuomi, CE:Feb 80:54
America's Covered Bridges, Donald O. Barth, CE: Feb 80:51
Press-Lam Timbers for Exposed Structures, John A. Youngquist, David S. Gromala, Ronald W. Jokerst, Russell C. Moody and John L. Tschernitz, ST7:July 79:1405:14673
Timber Bridges: A State-of-the-Art Report, Richard M. Gutkowski and Thomas G. Williamson, Preprint No.80-128, Apr 80, 22pp.

Bridge Tests
Bridge Modal Indentification Problems, Gerard C. Pardoen, Athol J. Carr and Peter J. Moss, EM81: Jan 81:29

Brines
Geo-Science Related Aspects of Geopressure Energy, Prem S. Chopra and Surendra K. Saxena, EY2:Aug 79:213:14745

Brittle Failure
Progressive Damage of Dynamically Loaded Brittle Rod, D. Krajcinovic, M. G. Srinivasan, G. U. Fonseka and R. A. Valentin, Preprint No.80-522, Oct 80, 13pp.

Brittle Fractures
Redundancy of Flexural Systems: State-of-the-Art, Chai Hong Yoo, Preprint No.80-587, Oct 80, 8pp.

Broad-Crested Weirs
Modified Broad-Crested Weirs for Lined Canals, John A. Replogle and Albert J. Clemmens, IRKA: Jul, 80:463

Bubbles
Destratification of Lakes Using Bubble Columns, C. Kranenburg, HY4:Apr 79:333:14498
Physical Modeling of Bubble Screens, Sahim Tekeli and W. Hall C. Maxwell, WW1:Feb 80:49:15176

Buckling
Beams with Torsional and Flexural Loads, Thomas P. Pastor and John T. DeWolf, ST3:Mar 79:527:14461
Biaxial Bending Tests with or without Torsion, Zia Razzaq and Theodore V. Galambos, ST11:Nov 79: 2163:14973
Buckling of Antisymmetrically Laminate Cross-Ply and Angle-Ply Rectangular Plates, Sudhakar Sharma, N. G.R. Iyengar and P. N. Murthy, EM1: Feb 80:161:15208
Buckling of Axially Compressed Conical Shells, Chin-Hao Chang and Lester Katz, EM3:June 80:501: 15473
Buckling of Bars with Variably Positioned Supports, Raymond Parnes, TN: EM2:Apr 80:411:15303
Buckling of Multibay Stiffened Plate Panels, Karim Elsharkawi and Alastair C. Walker, ST8:Aug 80: 1695:15594
Buckling of Space Stayed Columns, Ibrahim A. Hathout, Murray C. Temple and John S. Ellis, ST9: Sept 79:1805:14852
Buckling of Spherical Viscoelastic Shells, A. M. Vinogradov and Peter G. Glockner, ST1:Jan 80:59: 15116
Buckling of Stiffened Hyperboloidal Cooling Towers, Ihsan Mungan and Otto Lehmkamper, ST10:Oct 79:1999:14917
Buckling Properties of Monosymmetric I-Beams, Sritawat Kitipornchai and Nicholas S. Trahair, ST5: May 80:941:15406
Buckling Stresses of Stiffened Hyperboloidal Shells, Ihsan Mungan, ST8:Aug 79:1589:14775
Combined-Load Buckling of Orthotropic Skew Plates, John B. Kennedy and Madanapalli K. Prabhakara, EM1:Feb 79:71:14363
Composite Beams under Cyclic Loading, Jagmohan L. Humar, ST10:Oct 79:1949:14897
Construction and Design of Large Cooling Towers, Wolfgang Zerna and Ihsan Mungan, ST2:Feb 80: 531:15217
Critical Loads for Webs with Holes, Richard G. Redwood and Minoru Uenoya, ST10:Oct 79:2053: 14925
Cross-Bracing Design, John T. DeWolf and Joseph F. Pelliccione, ST7:July 79:1379:14680
Deformation of Arches: Elastic Buckling Behavior, Frank Van der Woude and Brian F. Cousins, ST12: Dec 79:2677:15086
Dynamic Stability of Statically Pre-Loaded Systems, G. J. Simitses and Lazopoulos, EM81:Jan 81:477
Effect of Imperfections on Vertical Track Buckling, Yehia M. El-Aini, EM6:Dec 78:1327:14221
Effect of Openings on Lateral Buckling of Beams, Alexander Coull and Maria C. Alvarez, TN: ST12: Dec 80:2553:15874
End Restraint and Column Stability, Wai F. Chen, ST11:Nov 80:2279:15796
Errors in Utilization of Cold-Formed Steel Members, Frank J. Zamecnik, ST12:Dec 80:2493:15941
Factors Influencing Frame Stability, Charles Birnstiel and Jerome S.B. Iffland, ST2:Feb 80:491:15196
Force Limiting Devices in Space Trusses, Lewis C. Schmidt and Ariel Hanaor, ST5:May 79:939:14589
General Imperfection Analysis in Shallow Arches, Cenap Oran, EM6:Dec 80:1175:15907
Local Buckling of Beams under Stress Gradient, Yei L. Tien and Shien T. Wang, ST8:Aug 79:1571: 14774
Local Buckling of Cold-Formed Steel Members, Venkatakrishnan Kalyanaraman, ST5:May 79:813: 14578
Local, Distortional, and Lateral Buckling of I-Beams, Gregory J. Hancock, ST11:Nov 78:1787:14155

Member Post-Buckling Behavior and Space Truss Progressive Collapse, Erling A. Smith, Preprint No.80-665, Oct 80, 13pp.
Nonlinear Creep Buckling of Reinforced Concrete Columns, Zdenek P. Bazant and Tatsuya Tsubaki, ST11:Nov 80:2235:15811
Optimal Design for Stability under Multiple Loads, Hari K. Turner and Raymond H. Plaut, EM6:Dec 80:1365:15946
Plastic Bifurcation Buckling of Toroidal Shells, Ernest D. George, Jr., TN: EM4:Aug 79:697:14727
Poisson's Effect on Buckling of Plate Assemblies, Srinivasan Sridharan, ST10:Oct 79:1967:14910
Post-Buckling Behavior under Mode Interaction, Antonio J. Reis and John Roorda, EM4:Aug 79:609:14744
Post-Buckling Finite Element Analysis of Flat Plates, Kuen-Yaw Shye and James Colville, ST2:Feb 79:297:14382
Postbuckling of Orthotropic Plate Structures, John B. Kennedy and Madanapalli K. Prabhakara, ST7:July 80:1497:15518
Prebuckling Rotations and Cylinder Buckling Analysis, Don O. Brush, EM2:Apr 80:225:15332
Pretensioning of Single-Crossarm Stayed Columns, H. H. Hafez, Murray C. Temple and John S. Ellis, ST2:Feb 79:359:14362
Secondary Deflections and Lateral Stability of Beams, Walter L. Warnick and William H. Walston, EM6:Dec 80:1307:15924
Seismic Design of Oil Pipeline Systems, Robert P. Kennedy, Arthur C. Darrow and Stephen A. Short, TC1:Apr 79:119:14505
Shear Flexibility, Soren Lindgren, TN: ST10:Oct 79:2117:14873
Space Truss Studies with Force Limiting Devices, Ariel Hanaor and Lewis C. Schmidt, ST11:Nov 80:2313:15808
Stability Analysis of Cable-Stayed Rigid Frames, Chu-Kia Wang and Jon K. Stiller, ST11:Nov 79:2383:15002
Stability of Guyed Towers, Alexander Chajes and Wen-Sen Chen, ST1:Jan 79:163:14327
Strength Variation of Laterally Unsupported Beams, Yuhshi Fukumoto, Yoshito Itoh and Masahiro Kubo, ST1:Jan 80:165:15142
Tapered Steel Beams Loaded within Tip, Gwynne Davies and Satya Narayan Mandal, ST3:Mar 79:589:14453
Torsional Buckling Study of Hartford Coliseum, Robert S. Loomis, Raymond H. Loomis, Robert W. Loomis and Richard W. Loomis, ST1:Jan 80:211:15124
Unbraced Length Requirements for Steel I-Beams, Morris Ojalvo and Ronald R. Weaver, ST3:Mar 78:479:13634
Web Distortion and Flexural-Torsional Buckling, Gregory J. Hancock, Mark A. Bradford and Nicholas S. Trahair, ST7:July 80:1557:15539

Budget Estimates

Optimum Location of Maintenance Facilities, Lansford C. Bell and Rex K. Rainer, TE6:Nov 80:697:15825

Budgeting

Business Practices in the Construction Industry: A Survey, Roland Gareis, CO4:Dec 79:317:15037

Budgets

Education in Civil Engineering: Boost Professional Orientation?, Kneeland A. Godfrey, Jr., CE:Aug 79:64
Non-Government Consensus Standards: Changes in the Wind?, Kneeland A. Godfrey, Jr., CE:Mar 79:75

Buffing

Calculated Examples Of Long-Span Bridge RESPONSE TO WIND, Lawrence Rubin and Robert H. Scanlan, EM81:Jan 81:307

Building Codes

Nonlinear Creep Buckling of Reinforced Concrete Columns, Zdenek P. Bazant and Tatsuya Tsubaki, ST11:Nov 80:2235:15811

Building Design

Geotechnical Structures, CE:Jan 80:100

Buildings

Application of a Graphics-Oriented Building Design System, M. M.E. Jeffries and M. R. Dyer, CP80: June 80:16
Building Response To Extreme Wind And Tornadoes, James R. McDonald and Kishor C. Mehta, EM81:Jan 81:547
Cladding Failures — Lack of a Professional Interface, Jerry G. Stockbridge, TC2:Dec 79:307:15085
Construction Vibrations — State-of-the-Art, John F. Wiss, Preprint No.80-175, Apr 80, 26pp.
Control of Noise and Vibration in Buildings Near Subways, A. Paolillo and H. Podolsky, EE80:July 80:414
Coordinating Tall Building Development, Leonard I. Ruchelman, UP1:Nov 80:89:15857
Cost Optimization of Buildings, Alan D. Russell and Khalid T. Choudhary, ST1:Jan 80:283:15125
Damage Assessment of the Imperial Co. Services Building, Gerard C. Pardoen and Gary C. Hart, Preprint No.80-680, Oct 80, 12pp.
Damping of Frames with Constrained Viscoelastic Layers, Dario A. Gasparini, Amitabha Deb Chaudhury and Lawrence W. Curry, ST1:Jan 80:115:15113
Dynamic Characteristics of Coupled Shear Walls, Amiya K. Basu, Ashok K. Nagpal, Ravinder S. Bajaj and Ashok K. Guliani, ST8:Aug 79:1637:14783
Dynamic Torsional Response Of Symmetric Structures, Pradip K. Syamal and O. A. Pekau, EM81:Jan 81:902
Earthquake And Ambient Response Of EL Centro County Services Building, Gerard C. Pardoen, Gary C. Hart and Barrett T. Bunce, EM81:Jan 81:164
Eccentrically Braced Steel Frames for Earthquakes, Charles W. Roeder and Egor P. Popov, ST3:Mar 78:391:13619
Errors in Utilization of Cold-Formed Steel Members, Frank J. Zamecnik, ST12:Dec 80:2493:15941
Factors Influencing Frame Stability, Charles Birnstiel and Jerome S.B. Iffland, ST2:Feb 80:491:15196
Frame-Wall Systems with Rigidly Jointed Link Beams, Amiya K. Basu and Ashok K. Nagpal, ST5: May 80:1175:15426
Friction Devices To Control Seismic Response, Cedric Marsh and Avtar S. Pall, EM81:Jan 81:809
General Approach to Active Structural Control, Mohamed Abdel-Rohman and Horst H. Leipholz, EM6:Dec 79:1007:15047
Glass Curtain Wall Elements:Properties and Behavior, Barry J. Goodno, ST6:June 79:1121:14656
High Rise Building Column Design, Jerome S.B. Iffland, ST9:Sept 78:1469:14027
Inelastic Response Spectra for Aseismic Building Design, Shih-Sheng P. Lai and John M. Biggs, ST6: June 80:1295:15482
Interactive Graphics Dynamic Analysis Of Frames, M. Gattass, J. G. Orbison, C. I. Pesquera, M. A. Schulman, W. McGuire and John F. Abel, EM81: Jan 81:502
The Kalamazoo: Building Damage In The Center City, James R. McDonald and James J. Abernethy, EM81:Jan 81:567
Limit Analysis of Flat-Slab Buildings for Lateral Loads, Hans Gesund and Harinatha B. Goli, ST11: Nov 79:2187:14981
LRFD Criteria for Plate Girders, Peter B. Cooper, Theodore V. Galambos and Mayasandra K. Ravindra, ST9:Sept 78:1389:14012
Models of Precast Concrete Large Panel Buildings, Harry G. Harris and John C. Muskivitch, ST2:Feb 80:545:15218
Moment Connections Weakened by Laminations, Bruce D. Macdonald, ST8:Aug 79:1605:14776

Natural Frequency of Timoshenko Beam on Flexible Base, Anestis P. Papadopoulos and David M. Trujillo, EM2:Apr 80:307:15311
Parameter Estimation From Full-Scale Cyclic Testing, Jean-Guy Beliveau and Michael Favillier, EM81:Jan 81:775
PDF of Wind Pressures on Low-Rise Buildings, Theodore Stathopoulos, ST5:May 80:973:15409
Pile Foundations in Swelling Soils, E. A. Sorochan, SLS:June 80:845
Pressures on Curtain Wall with External Mullions, Bernard M. Leadon and Michael L. Kownacki, EM4:Aug 79:515:14732
A Rectilinear Force Generator For Full Scale Vibration Testing, J. I. Craig and F. D. Lewis, EM81:Jan 81:102
Research Needs in Stability of Metal Structures, Reidar Bjorhovde, ST12:Dec 80:2425:15926
Revised Procedure for Estimating Along-Wind Response, Emil Simiu, ST1:Jan 80:1:15111
Seismic Analysis of Some Steel Building Frames, Egor P. Popov and Vitelmo V. Bertero, EM1:Feb 80:75:15194
Seismic Study Of Imperial County Services Building, Mehdi Saiidi, EM81:Jan 81:431
Status of Design Loadings for Buildings Standards, Edwin G. Zacher, Preprint No.80-632, Oct 80, 9pp.
Stochastic Nature of Building Live Loads, Ross B. Corotis and Victor Jaria, ST3:Mar 79:493:14441
Strength of Composite Beams with Web Openings, David M. Todd and Peter B. Cooper, ST2:Feb 80:431:15179
Strength of Connection with Buried Discontinuity, Roger L. Brockenbrough, Ronald W. Frost and Geerhard Haaijer, ST11:Nov 80:2185:15800
A Study of the use of Ambient Vibration Measurements to Detect Changes in the Structural Characteristics of a Building, Peter R. Sparks, Alan P. Jeary and V. C. M. de Souza, EM81:Jan 81:189
A Survey of Cadd in Engineering Practice (Abstract), Richard L. Bland, CP80:June 80:15
Tests of Beam-to-Column Web Moment Connections, Glenn P. Rentschler, Wai F. Chen and George C. Driscoll, ST5:May 80:1005:15386
Thermographic Applications for Plant and Building Engineers, Henry H. Schmalz, AS80:Aug 80:131
Tolerable Settlement of Buildings, Harvey E. Wahls, Preprint No.80-551, Oct 80, 14pp.
Top-to-Bottom Construction in High-Rise Buildings, Anthony van Zutphen, CE:Mar 79:65
Torsional Buckling Study of Hartford Coliseum, Robert S. Loomis, Raymond H. Loomis, Robert W. Loomis and Richard W. Loomis, ST1:Jan 80:211:15124
Torsion of Core Walls of Nonuniform Section, Te-Chang Liauw and Wang-Kwong Luk, ST9:Sept 80:1921:15707
Two-Way Flexure of Steel-Deck-Reinforced Slabs, Charles R. Kubic and J. Hartley Daniels, ST6:June 79:1039:14633
Underground Buildings Save Energy, CE:May 79:80
Up-Grading of Wood Structures by Use of Improved Mechanical Fasteners, E. George Stern, Preprint No.80-525, Oct 80, 9pp.
A Wall Solves a Classroom Problem, John Peterson, Preprint No.80-502, Oct 80, 5pp.
Wind Damage In Hurricane Frederic, Timothy A. Reinhold and Kishor C. Mehta, EM81:Jan 81:532
Wind Damage Observations and Implications, Joseph E. Minor and Kishor C. Mehta, ST11:Nov 79:2279:14980

Buildings (Codes)
Alternate to ACI Analysis Coefficients, Richard W. Furlong and Carlos Rezende, ST11:Nov 79:2203:14979
Approaches for Design against Progressive Collapse, Bruce R. Ellingwood and E. V. Leyendecker, ST3:Mar 78:413:13610
Aseismic Reinforcement of Existing Building, Nicholas F. Forell and Guy J.P. Nordenson, ST9:Sept 80:1907:15700
Computer Aids for the Organization of Standards, James Robert Harris and Richard N. Wright, CP80:June 80:112
Extreme Wind Speeds at 129 Airport Stations, Emil Simiu, Michael Changery and James J. Filliben, ST4:Apr 80:809:15334
Fledgling Standards-Writing Program: Progress Report, CE:Mar 79:80
A Foundation Code for Expansive Soil Conditions, Joseph G. Zeitlen and Amos Komornik, SLS:June 80:609
Hurricane Wind Speeds in the United States, Martin E. Batts, Larry R. Russell and Emil Simiu, ST10:Oct 80:2001:15744
Load and Resistance Factor Design for Steel, Mayasandra K. Ravindra and Theodore V. Galambos, ST9:Sept 78:1337:14008
Microzonation in Wind Engineering, Marshall Lew and Gary C. Hart, ST6:June 79:975:14631
Probability Model for Design Live Loads, Philip L. Chalk and Ross B. Corotis, ST10:Oct 80:2017:15753
Reducing Failures During Earthquakes, Henry J. Degenkolb, CE:Aug 80:56
Reliability Based Criteria for Reinforced Concrete Design, Bruce R. Ellingwood, ST4:Apr 79:713:14480
Reliability of Current Reinforced Concrete Designs, Bruce R. Ellingwood, ST4:Apr 79:699:14479
Revised Procedure for Estimating Along-Wind Response, Emil Simiu, ST1:Jan 80:1:15111
Seismic Resistance of Existing Buildings, Robert V. Whitman, Frank J. Heger, Rene W. Luft and Frederick Krimgold, ST7:July 80:1573:15564
Snow Load Analysis for Structures, Arnfinn Rusten, Ronald L. Sack and Myron Molnau, ST1:Jan 80:11:15102
Software for Analysis of Standards, Steven J. Fenves, CP80:June 80:82
Torsional Buckling Study of Hartford Coliseum, Robert S. Loomis, Raymond H. Loomis, Robert W. Loomis and Richard W. Loomis, ST1:Jan 80:211:15124

Buildings (Hotels)
Computer-Aided Preliminary Design, William H. Mooseker and Gerard Dixon, TC1:Apr 79:75:14483

Buildings (Office)
Computer-Aided Preliminary Design, William H. Mooseker and Gerard Dixon, TC1:Apr 79:75:14483
Five-Story Timber Framed Building, Byron L. Nishkian, CE:Aug 80:48

Buildings (Residential)
Aerial Photography in Fire Risk Assessment, Paul R. DeCicco, AS80:Aug 80:155
Application of a Graphics-Oriented Building Design System, M. M.E. Jeffries and M. R. Dyer, CP80:June 80:16

Bulk Cargo
All Metal Loading Arms for Bulk Liquid Handling, W. Kemper, PO80:May 80:661

Bulk Density
Variable Drainable Porosity in Drainage Design, Ashim K. Bhattacharya and Robert S. Broughton, IR1:Mar 79:71:14433

Bulk Handling
Facility Site Evaluation and Chemical Hazards, John S. Gardenier and Michael C. Parnarouskis, PO80:May 80:555
A Marine Terminal for Exportation of Slurried Coal, R. B. Jacques and P. K. Johnson, PO80:May 80:32
Offshore Artificial Islands — Energy Ports of the Future?, Eugene Chesson, PO80:May 80:61
Port Capacity Determination and Planning, Ernst G. Frankel and Chang Bin Tang, PO80:May 80:193

Bulkheads
Cellular Bulkheads and Cofferdams, Warren L. Schroeder and James K. Maitland, GT7:July 79: 823:14713
Chesapeake Bay Development Pressures: RAMS Data Base Analysis, Russell C. Eberhart and Thomas J. Dolan, CZ80:Nov 80:532
General Permits: Method of Criteria Development, James W. Holton, Jr., CZ80:Nov 80:1026
Interagency Permit Review Lessons of Experience, Joseph S. LeGath and Robert L. Lippson, CZ80: Nov 80:1638
Model Study of Circular Sheetpile Cells, James K. Maitland and Warren L. Schroeder, GT7:July 79: 805:14712

Bulk Modulus
Behavior of Destructured Natural Clays, Serge Leroueil, Francois A. Tavenas, Francoise Brucy, Pierre La Rochelle and Marius Roy, GT6:June 79: 759:14657

Buoyancy
Bouyant Jet Behavior Near the Maximum Rise, Roger B. Wallace and Steven J. Wright, HYCO: Aug 80:356
Buoyant Surface Jet in Tidal Longshore Current, Eric J. Wolanski and Michael L. Banner, HY11:Nov 78: 1505:14186
Line Plume and Ocean Outfall Dispersion, Philip J.W. Roberts, HY4:Apr 79:313:14488
Motion Analysis of Articulated Tower, Subrata K. Chakrabarti and Dennis C. Cotter, WW3:Aug 79: 281:14766
Two-Dimensional Buoyant Jets in Stratified Fluid, Steven J. Wright and Roger B. Wallace, HY11:Nov 79:1393:15003

Buoys
Estuarine Circulation from Dye-Buoy Photogrammetry, John C. Munday, Jr., Christopher S. Welch and Hayden H. Gordon, PO80:May 80: 417
A New Type of Single Point Mooring: "Proud", Rene Loire, PO80:May 80:369
POL Pier Damage Investigation and Recommendations, Chinymiim Chern and James C. Wright, PO80:May 80:399
Wave Propulsion of Spar Buoys, Thomas A. McClimans, TN: WW3:Aug 80:410:15592

Bureau of Reclamation
Western Economic Development and Water Planning: Bureau of Reclamation, John E. Keith, Keith Wilde, Jay C. Andersen and Allen LeBaron, WR1:Mar 79:161:14416

Buried Pipes
Burial Design Criteria for Tidal River and Inlet Crossings, Donald Steven Graham and Ashish J. Mehta, Preprint No.80-033, Apr 80, 20pp.
Earthquake Response of Buried Insulated Pipes, Aly Hindy and Milos Novak, EM6:Dec 80:1135:15886
Lifeline Earthquake Engineering in Japan, Keizaburo Kubo, Tsuneo Katayama and Masamitsu Ohashi, TC1:Apr 79:221:14548
Portland Cement Concrete Underground Pipelines, Philip H. Perkins, TE5:Sept 79:577:14863
Seismic Design Criteria for Underground Pipelines, Leon Ru-Liang Wang and Raymond Chong-Yu Fung, TE6:Nov 80:747:15848
Seismic Design of Underground Lifelines, Paul Weidlinger and Ivan Nelson, TC1:Aug 80:185: 15658

Buried Structures
Seismic Shear Stresses in Buried Beams, T. Selcuk Atalik, TN: ST6:June 80:1361:15451

Burning
Soil Solution Chemistry and Slash Disposal, George E. Hart, Norbert V. DeByle and Robert W. Hennes, IRKB:July 80:318
Subsurface Coal Refuse Bank Fire Delineation, Ronald W. Stingelin, ASDC:80:268

Buses (Vehicles)
Preferential Treatment—What Lies Ahead, Morris J. Rothenberg, TE4:July 79:383:14705
Service Quality Implications of Transbus, Steven E. Polzin and Joseph L. Schofer, TE5:Sept 79:561: 14862
Zone Scheduling of Urban Bus Routes, Mark A. Turnquist, TE1:Jan 79:1:14288

Business Cycles
Business Practices in the Construction Industry: A Survey, Roland Gareis, CO4:Dec 79:317:15037

Businessmans Role
Confusion Prevails in Federal Minority Business Efforts, Virginia Fairweather, CE:Sept 79:91

Bus Lanes
Contraflow Bus Priority Lane Performance: A Case Study, Abishai Polus and Joseph L. Schofer, TE3: May 79:297:14559
Co-ordinated Use of Facilities, Robert Schumacher, UT79A:July 79:109

Bus Usage
Contraflow Bus Priority Lane Performance: A Case Study, Abishai Polus and Joseph L. Schofer, TE3: May 79:297:14559
Honolulu Mass Transit — Past, Present, and Future, Robert R. Way, MGC:July 80:396
Making TheBus Better, Walter Kudlick, Akira Fujita, Howard Takara and Robert R. Way, MGC:July 80: 332
Rules of Thumb for Transportation/Air Quality Alternatives Analysis, Martin H. Weiss, CAAA: Nov 79:259
Singapore Mass Transit Study (Abstract), Robert A. Hubbard, MGC:July 80:313
TSM Planning for Fringe Parking Transit, Kenneth W. Wester and Michael J. Demetsky, TE3:May 79: 279:14562

Bypass Valves
Energy-Dissipating Bypass for Hydroelectric Powerhouse, Edmund F. Goedde, Vsevolod G. Guins and Richard P. Strumpf, HY12:Dec 79:1487: 15070

Cables
Convergence Acceleration Method for Oceanic Cables, John W. Leonard, Preprint No.80-131, Apr 80, 22pp.
Design of Counterstressed Cable Structures, Dennis Clarke, ST11:Nov 80:2259:15794
Dynamic Response Of Inflatable Cable-Reinforced Structures Under WIND LOADING, O. G. Vinogradov, David J. Malcolm and Peter G. Glockner, EM81:Jan 81:338
Seismic Support: Speedy Determination of Frequency, Anil K. Kar, ST7:July 79:1289:14672

Cables (Ropes)
Baltimore Borrows Bridge Beams, CE:June 80:66
Cable Spring Constants for Guyed Tower Analysis, Richard A. Skop, ST7:July 79:1307:14675
Dynamic Analysis of Cable-Hung Ruck-A-Chucky Bridge, Zung-An Lu, ST10:Oct 79:2009:14918
Dynamic Analysis of Ocean Cable Structures, Herman Migliore, Preprint No.80-030, Apr 80, 21pp.
Forced Vibrations of Cable Networks, Louis F. Geschwindner, Jr. and Harry H. West, ST9:Sept 80: 1885:15681
Free Vibrations of Taut and Slack Marine Cables, Steven E. Ramberg and Owen M. Griffin, ST11: Nov 77:2079:13321
Frequency Analysis of Flat Cable Nets: A Simple Model, Barrington deV. Batchelor and Murari L. Gambhir, EM6:Dec 80:1249:15903

Guyed Towers Under Arbitrary Loads, Felix Rosenthal and Richard A. Skop, ST3:Mar 80:679:15247
Marine Cable Structures, Alain H. Peyrot, ST12:Dec 80:2391:15901
Nonlinear Static and Dynamic Deformations of Viscoelastic Cables, Brian J. Sullivan and Steven C. Batterman, EM3:June 80:543:15500
Optimum Cable Configuration for Air-Supported Structures, David J. Malcolm and Peter G. Glockner, ST2:Feb 79:421:14381
Parametric Investigations of Vibrating Cable Networks, Louis F. Geschwindner, Jr. and Harry H. West, ST3:Mar 79:465:14436
Slack-Elasto-Plastic Dynamics of Cable Systems, David Chia-Chiun Ma, John W. Leonard and Kuang-Han Chu, EM2:Apr 79:207:14508
Stability of Guyed Towers, Alexander Chajes and Wen-Sen Chen, ST1:Jan 79:163:14327
Stand-Off Force on Ships Moored in Strong Current, Jitendra Khanna and Torben Sorensen, PO80:May 80:731
Static Response of Reduced Rotation Rope, George A. Costello and Robert E. Miller, EM4:Aug 80:623:15612
Study of Cable-Net Natural Draft Cooling Towers, Charles Birnstiel, Nicholas F. Morris and John J. Jonatowski, Preprint No.80-080, Apr 80, 22pp.
Vortex-Excited Vibrations of Marine Cables, Owen M. Griffin, John H. Pattison, Richard A. Skop, Steven E. Ramberg and Dallas J. Meggit, WW2:May 80:183:15414

Cadastral Surveys

Federal Roles and Responsibilities In a Modernized Land Data System, Bernard W. Hostrop, SU80:June 80:27
Geographic Land and Data System (GLADS), John C. Herring, Preprint No.80-064, Apr 80, 12pp.
Land Records: Costs, Issues and Requirements, James L. Clapp and Bernard J. Niemann, Jr., SU80:June 80:1
NAD as it Affects the Survey Engineer, J. E. Colcord, Preprint No.80-073, Apr 80, 11pp.
Photogeodesy, James Collins, ASDC:80:309
Planning and Engineering Requirements For A Land Data System, Gunther Greulich, SU80:June 80:42

Caissons

Finite Element Analysis of Caisson-Structure and Soil-Structure Interaction, Daniel A. Cuoco, Leonard M. Joseph, Richard L. Tomasetti and Emmanuel Velivasakis, Preprint No.80-144, Apr 80, 16pp.
Plain Concrete Underreams for Drilled Shafts, J. Steven Farr and Lymon C. Reese, ST6:June 80:1329:15503
Shaft Resistance of Rock-Socketed Drilled Piers, Robert G. Horvath and T. Cameron Kenney, GTDF:80:182

Calcareous Soils

Using High Salinity Waters in the Southwest, John R. Erickson, IRKA:July 80:198

Calcium

Natural Fluctuations of Water Quality in a Headwater Stream, Joe F. Nix, EFHYF:Mar 79:391

Calculators

Desk Calculator Model for Wastewater Planning, Donald T. Lauria, EE1:Feb 79:113:14390
Ground-Water Flow Computations by Method of Lines, Antonis D. Koussis and Richard W. Watson, IR1:Mar 80:1:15238
Pavement Analysis by Programmable Calculators, Per Ullidtz and Kenneth R. Peattie, TE5:Sept 80:581:15682

Calibration

Calibrating the Chesapeake Bay Circulation Model?, Raymond Walton, M. A. Granat and Robert P. Shubinski, HYCO:Aug 80:387
Calibration and Application of a Watershed Planning Model, Robert D. Looper, HYUS:June 80:152
Calibration of Bed-Load Samplers, Peter Engel and Y. Lam Lau, TN: HY10:Oct 80:1679:15725
Calibration of Numerical Model for Harbor Waves, Herman Bomze, HYCO:Aug 80:441
Monitoring Large Structures by Precise Survey, Kenneth D. Robertson, ASDC:80:277
Practical Bridge Code Calibration, Andrzej S. Nowak and Niels C. Lind, ST12:Dec 79:2497:15061
Surface Temperature Mapping by NOAA-5 Satellite, Siamak Khorram and H. Gregory Smith, ASDC:80:286
System Calibration of Metric Cameras, Kunwar K. Rampal, SU1:Nov 78:51:14157
Techniques For The Generation of Long Streamflow Sequences, K. M. Leytham and Delbert D. Franz, EFHYF:Mar 79:20

California

Aesthetic Development of California's Bridges, Arthur L. Elliott, Preprint No.80-004, Apr 80, 22pp.
Air Chambers for Irrigation Systems, George E. Conant and Dorsey E. Jaspar, TE2:Mar 79:141:14451
Alternatives for Reducing Nitrate in Municipal Supplies at McFarland, Calif., Gerald A. Guter and Ernest Kartinen, Jr., EE80:July 80:520
Bottom Supported Terminal — Dravo Preload Concept, D. S. Hill, PO80:May 80:316
California Coastal Data Collection Program—Data Collection, Analysis and Dissemination, George W. Domurat and Douglas M. Pirie, CZ80:Nov 80:2171
California Coastal Data Collection Program Status, Douglas M. Pirie and George W. Domurat, CZ80:Nov 80:2180
The California Drought—Its Effect on Runoff Forecasting For Power Generation, Gary J. Freeman, EFHYF:Mar 79:266
California Impacts of World Ocean Decisions, Robert L. Friedheim and Robert E. Bowen, CZ80:Nov 80:980
Coastal Energy Development in Santa Barbara County, Kirvil Skinnarland and Mel Willis, CZ80:Nov 80:634
Coastal Erosion in San Diego County, California, Gerald G. Kuhn and Francis P. Shephard, CZ80:Nov 80:1899
Consistency Review of OCS Acitvities Off California, Irwin D. Karp, CZ80:Nov 80:2103
Cumulative Impact Assessment-California Coastal Law, William Milan Boyd, CZ80:Nov 80:1321
Deepwater Bottom Supported "Condeep" Terminal Design, Leif G. Larsen and John M. MacDonald, PO80:May 80:339
Economic of Hazard Mitigation for Transportation Structures, John J. Kozak, C080:80:85
Endangered Species Coordination for Los Angeles Harbor, Daniel Muslin and Charles H. Fisher, CZ80:Nov 80:891
Energy Facilities and the California Coast, William R. Ahern, CZ80:Nov 80:379
Energy Recovery From Waste and Biomass—Site Specific Economic Studies, Roger C. Bales, Ira J. Wright and Lory E. Larson, EE80:July 80:582
Environmental Considerations in Highway Planning, John J. Meersman and Leonard Ortolano, TE4:July 80:15515
Evaluation of Land Treatment of Wastewater in California, John R. Thornton and James D. Goff, EE80:July 80:106
Evaluation of Three Offshore LNG Terminal Designs for Southern California, Edgar Rust, PO80:May 80:352
Fire Management Planning in Southern California, Gary L. Boyle and Jim Retelas, IRKB:July 80:260
Five-Story Timber Framed Building, Byron L. Nishkian, CE:Aug 80:48
Influences on Plans for the Santa Ana River Channel Mouth, Fala Powers, CZ80:Nov 80:1173
LNG Terminal Design for California, Thomas L. Anderson and Robert E. Bachman, Preprint No.80-021, Apr 80, 21pp.

The Long Beach Downtown Transportation Project, Wes R. Frysztacki, MGC:July 80:195
Management of Hazardous Waste Using Regional Concepts, Richard A. Gardner and Mahlon B. White, EE80:July 80:453
Modeling of Sediment Transport in Cottonwood Creek, Alan L. Prasuhn and Edward F. Sing, HYCO:Aug 80:209
More Than Just Another Routine Job, CE:June 79:69
North City West Drainage Investigation, James S. Jenks, Thomas C. MacDonald and Robert B. Ebert, HYUS:June 80:405
Oil Terminal Relocation at Long Beach, California, Charles F. Connors and Michael G. Burke, PO80: May 80:172
Parrotts Ferry Bridge: Pioneer in Lightweight, Pumped Concrete, George C. Weddell and Paul F. Kavanaugh, CE:June 80:83
Policies for Lifeline and Critical Facility Safety, Robert A. Olson, C080:80:180
Preserving Public Access: The Bay Experience, Nancy Wakeman Twiss, CZ80:Nov 80:1418
Public Engineers—Why the Least Happy Category of Civil Engineers?, Kneeland A. Godfrey, Jr., CE: Mar 80:86
Reuse Alternatives in the Los Angeles Basin, Brian L. Ramaley, Gordon P. Treweek, Frank A. Grant and E. Wiley Horne, EE80:July 80:207
The San Diego Light Rail Story, John A. Coil, MGC: July 80:301
The San Diego Regional Coastal Access Study, Dennis A. Prescott, CZ80:Nov 80:1662
Science and Plans: California's Wetlands, Christopher P. Onuf, CZ80:Nov 80:1858
Sea Cliff Erosion in Southern California, Louis J. Lee, CZ80:Nov 80:1919
A Seismic Hazard Evaluation of California, Ronald T. Eguchi, C080:80, 66pp.
Sources of Pollution from Agricultural Drainage, Reginald E. Merrill, Ronald M. Van De Pol and Walter E. Ryley, IR2:June 79:137:14605
South Fork Trinity River Watershed Study, Ralph G. Scott, Jr., Koll Y. Buer and Stephen M. James, IRKB:July 80:406
Summary of Commissioner G. B. Craig's Remarks, G. B. Craig, HW80:Mar 80:215
Sunset Cliffs Stabilization San Diego, California, Louis J. Lee and Walter Crampton, CZ80:Nov 80: 2271
Surface Temperature Mapping by NOAA-5 Satellite, Siamak Khorram and H. Gregory Smith, ASDC:80: 286
Transportation System and Control Measure Analysis of Air Quality Alternatives — The Los Angeles Basin Experience, David D. Knight and James D. Kellar, CAAA:Nov 79:189
Trinidad: A Solution for Coastal Land-Use Conflict, Steele Wotkyns, CZ80:Nov 80:1518
Use of Digital Terrain Data in Topographic Analysis, Siamak Khorram and H. Gregory Smith, ASDC:80: 368
Water Level Variations along California Coast, Raymond A. Smith and Robert J. Leffler, WW3: Aug 80:335:15614
Water Reuse Markets and Project Costs in Southern California, Frank A. Grant, Norman G. Hixson, Paul Teigen and E. Wiley Horne, EE80:July 80:640
Watershed Management: The California Experience, Chuck Watson, IRKB:July 80:1048
Water Supply Forecasting in California - 1976-78, Charles H. Howard, EFHYF:Mar 79:285
Wetlands Reviews — A Californa Experience, Hugh Converse and Jill Shapiro, CZ80:Nov 80:1829
The #53 Working Group: Local Participation in the Federal OCS Leasing Process, Ceila Lawren, CZ80: Nov 80:1087

Cameras

System Calibration of Metric Cameras, Kunwar K. Rampal, SU1:Nov 78:51:14157

Canada

Behavior of Expansive Soils in Western Canada, J. J. Hamilton, SLS:June 80:815
Calgary's Computer Mapping & Geographic Referencing, R. G. Conway and E. Bert Piepgrass, SU80:June 80:59
Design of an LNG Terminal in Canada's High Arctic, Alvin F. McDonald, PO80:May 80:489
Drainage System Design and Implementation in Southwestern British Columbia, Brian E. Baehr, IRKA:July 80:274
Estimating Design Flows for Urban Drainage, Samuel O. Russell, Bruce F.I. Kenning and Greg J. Sunnell, HY1:Jan 79:43:14317
Forecasting Lake Levels—A Case Study, Sivajogi D. Koppula, HYUS:June 80:280
Hydrogeology of a Shallow Till Under Irrigation, M. James Hendry, IRKA:July 80:21
Hydrologic Effects of a Severe Forest Fire, J. D. Cheng, IRKB:July 80:240
James Powerhouses—Layout and Design Criteria, Klaus R. Ludwig and Richard T. Olive, EY2:Oct 80:235:15771
Making Maps by Computer—City and Utilities Team Up in Pioneer Effort, CE:Feb 79:56
Managing Shore Development in British Columbia, W. Bruce Morgan and Jonathan P. Secter, CZ80: Nov 80:715
Ontario Writes New Bridge Code, Michael J. Bartos, Jr., CE:Mar 79:56
Port Planning and Economic Development, Daniel P. O'Halloran, PO80:May 80:47
Road Salts Movement into Two Toronto Streams, William S. Scott, EE3:June 80:547:15468
A Ten Year Improvement in Water Quality in a Major Okanagan Valley Lake as a Result of Municipal Wastewater Phosphorus Reduction, Agris Berzins, EE80:July 80:627
Tidal Energy Integration Using Pumped Storage, Robert Anthony Gibson and Eric Montgomery Wilson, EY1:Jan 79:71:14291
Tile Drainage of Irrigated Till Soils in Alberta, B. A. Paterson and D. Brook Harker, IRKA:July 80:263
U.S.-Canadian Agreement on East Coast Fisheries, Sang-Myon Rhee, CZ80:Nov 80:345

Canal Construction

Construction of a Large Canal on Collapsing Soils, Paul C. Knodel, Preprint No.80-141, Apr 80, 28pp.

Canal Design

Use of Electrical Analogs as a Design Tool for Tidal Canals, Robert M. Snyder, Bent A. Christensen and Raymond Walton, HYUS:June 80:119

Canal Embankments

Treatment of Expansive Clay Canal Lining, Jack G. Byers, SLS:June 80:401

Canal Linings

Optimization of Salinity Control in Grand Valley, Wynn R. Walker, Gaylord V. Skogerboe and Robert G. Evans, IR1:Mar 79:15:14455
Treatment of Expansive Clay Canal Lining, Jack G. Byers, SLS:June 80:401

Canals

C & D Canal Effect on Salinity of Delaware Estuary, Tavit O. Najarian, M. Llewellyn Thatcher and Donald R.F. Harleman, WW1:Feb 80:1:15172
Dynamic Water Quality Modeling in Southeast Florida, R. Uwe Jettmar, George K. Young, Armando I. Perez and Robert Oros, EE1:Feb 80: 105:15173
Geometry of Gravel Streams, Howard H. Chang, HY9:Sept 80:1443:15678
Geometry of Rivers in Regime, Howard H. Chang, HY6:June 79:691:14640
Inaccuracies in the Characteristics Method, E. Benjamin Wylie, HYCO:Aug 80:165
Modified Broad-Crested Weirs for Lined Canals, John A. Replogle and Albert J. Clemmens, IRKA: July 80:463
Optimal Design of Water Conveyance Systems, Quentin W. Martin, HY9:Sept 80:1415:15672

Parallel Canal Design for Waterfront Development, Frederick W. Morris, IV, Damodar S. Airan, Nathan Putchat and Richard S. Tomasello, Preprint No.80-649, Oct 80, 10pp.
Shallow Wave Propagation in Open Channel Flow, Victor Miguel Ponce and Daryl B. Simons, HY12: Dec 77:1461:13392
A Solute Transport Model for Tidal Canal Networks, Raymond Walton and Bent A. Christensen, HYUS: June 80:142
Stable Alluvial Canal Design, Howard H. Chang, HY5:May 80:873:15420
Tidal Hydraulics in Estuarine Channels, Robert M. Snyder, HY2:Feb 80:237:15202

Cancer
How to Remove Trihalomethanes from Drinking Water, Robert C. Siemak, R. Rhodes Trussell, Albert R. Trussell and Mark D. Umphres, CE:Feb 79:49
Toxic Chemicals in New Jersey's Environment: Cancer Link?, Eugene E. Dallaire, CE:Sept 79:74

Canneries
Anaerobic Digestion of Cannery Tomato Solid Wastes, David J. Hills and Ronald S. Dykstra, EE2:Apr 80:257:15318

Cantilever Beams
Erection Strength Adequacy of Long Truss Cantilevers, Jackson L. Durkee and Spiro S. Thomaides, ST1:Jan 77:225:12698
Evaluation of Fracture Techniques in Cementitious Composites, K. Visalvanich and Antoine E. Naaman, FIC:Oct 80:65
Resistance to Crack Growth in Portland Cement Composites, Methi Wecharatana and Surendra P. Shah, FIC:Oct 80:82

Cantilevers
Erection Strength Adequacy of Long Truss Cantilevers, Jackson L. Durkee and Spiro S. Thomaides, ST1:Jan 77:225:12698

Capacity
Port Capacity Methodology — Simplified, John F. Warwar, PO80:May 80:203

Capital
Do Federal Grants Distort a City's Capital Investment Priorities?, Eugene E. Dallaire, CE:Oct 79:79

Capital Costs
Business Practices in the Construction Industry: A Survey, Roland Gareis, CO4:Dec 79:317:15037

Capitalized Costs
Lake Erie Airport—Status Update, Cameron M. Smith, TE3:May 80:227:15410
The San Diego Light Rail Story, John A. Coil, MGC: July 80:301

Caps (Supports)
Dynamic Response Of Inflatable Cable-Reinforced Structures Under WIND LOADING, O. G. Vinogradov, David J. Malcolm and Peter G. Glockner, EM81:Jan 81:338

Carbon Monoxide
Anchorage's Response to the 1977 Clean Air Act Amendments, Leif G. Anderson and A. Reed Gibby, CAAA:Nov 79:20
The Arizona Inspection/Maintenance Program, R. Fred Iacobelli, CAAA:Nov 79:95
Identification of CO Hot Spots in Upstate New York, Ronald J. Piracci, CAAA:Nov 79:284
Stationary and Mobile Source Controls and Tradeoffs, Salvatore J. Bellomo and Jawaharlal Mehra, CAAA:Nov 79:153
Strategy Evaluation — Minnesota Small Urban Areas, Katheryn Briscoe, CAAA:Nov 79:11
Transportation Air Quality Planning — The Twin Cities Approach, Raymond W. Thron and David Braslau, CAAA:Nov 79:215
Transportation in New Jersey and the Clean Air Act, James Newcomb, CAAA:Nov 79:114
Trip-Based Analysis of Auto Emissions, Greig Harvey, CAAA:Nov 79:225

Careers
Top Foreign-Born Civil Engineers Speak Their Minds, Allen Morrison, CE:Oct 80:115

Cargo
Recent Design and Construction of Cargo Wharves, Robert R. Adams, MGC:July 80:75

Cargo Transportation
All Metal Loading Arms for Bulk Liquid Handling, W. Kemper, PO80:May 80:661
Bintulu Malaysia LNG Project, Clemence L. Cameron and Samuel P. Lin, PO80:May 80:455
Deepwater Bottom Supported "Condeep" Terminal Design, Leif G. Larsen and John M. MacDonald, PO80:May 80:339
Design of an LNG Terminal in Canada's High Arctic, Alvin F. McDonald, PO80:May 80:489
Design of Statfjord B Articulated Loading Platform, Marjorie A. Prosuch, PO80:May 80:385
Evaluation of Three Offshore LNG Terminal Designs for Southern California, Edgar Rust, PO80:May 80: 352
Fender System Requirements at Open-Sea Berths, Bela Koman, PO80:May 80:520
Floating Terminal for Storage and Sendout of LNG, Gene Anspach, Robert Baseler and Rolf Glasfeld, PO80:May 80:296
Integrated Port Design and Planning Process, Martin T. Czerniak, Arthur Rubinstein and J. Ian Collins, PO80:May 80:440
LNG/LPG Terminal Safety, John J. Closner, Henry J. Kuss, Jerry L. Lott and J. D. Porricelli, PO80: May 80:469
POL Pier Damage Investigation and Recommendations, Chinymiim Chern and James C. Wright, PO80:May 80:399
Port Capacity Methodology — Simplified, John F. Warwar, PO80:May 80:203
Simulation for Port Design and Operations, M. Kaplan and R. C. Wentworth, PO80:May 80:269
Technical Aspects of Marine Terminal Simulation, P. E. Thompson and T. M. Davis, PO80:May 80:256

Car Pools
An Analysis of Areawide TSM/Air Quality Actions, Tom K. Ryden and Stephen M. Howe, CAAA:Nov 79:169
Complying with the 1977 Clean Air Act in Boston, Thomas F. Humphrey, UP1:Nov 80:1:15817
First U.S. Van Pool — Big Success, Ann E. Seltz-Petrash, CE:Nov 79:76
Modal Split Model Considering Carpool Mode, Richard W. Lyles, TE2:Mar 79:149:14423
Preferential Treatment—What Lies Ahead, Morris J. Rothenberg, TE4:July 79:383:14705
Quantifying Emission Impacts of High Occupancy Vehicles, Frank C. Yu, CAAA:Nov 79:294
Rules of Thumb for Transportation/Air Quality Alternatives Analysis, Martin H. Weiss, CAAA: Nov 79:259
Technology Substitution for Air Quality Improvement, E. A. Deakin and H. W. Bruck, CAAA:Nov 79:357
Transportation Planners Join Battle for Cleaner Air, Ann E. Seltz-Petrash, CE:Nov 79:84

Cartography
A Geographic Information System for a Rural County, W. Kent Crowder, SU80:June 80:74
Geographic Information Systems: The ODYSSEY Project, Eric Teicholz, SU1:Nov 80:119:15833
The National Cartographic Information Center an Assist in Finding Remotely Sensed Data, Alan R. Stevens, AS80:Aug 80:183

Proposed Manual on Selection of Map Uses, Scales, and Accuracies for Engineering and Associated Purposes: Map Availability—Chapter VI, Robert L. Brown, SU1:Nov 80:149:15856
RMLR: What It Means to the Civil Engineer, Joel N. Orr, SU80:June 80:229
USGS Digital Cartographic Applications Program, Robert B. McEwen, SU1:Nov 80:13:15846

Cascaded Elements
Oxygen Transfer at Hydraulic Structures, Sean T. Avery and Pavel Novak, HY11:Nov 78:1521:14190

Case Reports
Beach Access Problems, Programs and Progress, David J. Brower, CZ80:Nov 80:1697
Expediting The Coastal Approval Process, Jeffrey A. Layton and Peter L. Buck, CZ80:Nov 80:1998
Foundation Performance of Tower of Pisa, James K. Mitchell, Vitoon Vivatrat and T. William Lambe, GT3:Mar 77:227:12814
Improving the Effectiveness of Engineering Organizations, Melville D. Hensey and Kenneth Gibble, EI1:Jan 80:21:15156
Proposed Gray's Reef Marine Sanctuary: A Case Study, Carrol N. Curtis and Jeannette H. Phillips, CZ80:Nov 80:1969
Settlement Comparison Used in Tank-Failure Study, Roy A. Bell and Jun Iwakiri, GT2:Feb 80:153:15219

Cast-In-Place Piles
Stable Embedment Depth of Piles in Swelling Clay, D. David and A. Komornik, SLS:June 80:798

Cast-In-Place Pipes
A Study of Downdrag on a Cast-in-Place Concrete Pile, Antal Partos, GTDF:80:311

Cast-In-Place Structures
Baltimore Borrows Bridge Beams, CE:June 80:66
Concrete Microwave Tower is Award Winner, Leonard Hayet and Franklin Z. Glickman, CE:Apr 79:62

Cast Iron
World's First Iron Bridge, Marc H. Sawyer, CE:Dec 79:46

Catchments
Computer Mapping in a Catchment Land Use Study, Kerry Michael Rosenthal, ASDC:80:224

Cathode Ray Tubes
Data Management Using Computers and CRT Displays, Allen F. Flanders, MGC:July 80:343

Cation Exchange
Cation Transport in Packed Bed Reactor of Soil, Allen R. Overman, Brian R. McMahon, Rolan L. Chu and Flora C. Wang, EE2:Apr 80:267:15321
Containment of Heavy Metals with Natural Materials, Ronald E. Benson, Jr., EE80:July 80:69

Cations
Relationships and Variations of Properties of Clay, Thomas M. Petry and J. Clyde Armstrong, SLS: June 80:172

Cattle
Sediment from a Small Summer Grazed Watershed, David H. Fortier, Myron Molnau and Keith E. Saxton, IRKB:July 80:790

Cavitation
Cavitation Induced by Turbulence in Stilling Basin, Rangaswami Narayanan, TN: HY4:Apr 80:616:15305
Energy-Dissipating Bypass for Hydroelectric Powerhouse, Edmund F. Goedde, Vsevolod G. Guins and Richard P. Strumpf, HY12:Dec 79:1487:15070
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Tarbela Dam—Problems Solved by Novel Concretes, Paul C. Chao, CE:Dec 80:58

Cavitation Control
Tarbela Dam—Problems Solved by Novel Concretes, Paul C. Chao, CE:Dec 80:58

Cavitation Corrosion
Polymer-Impregnated Concrete at Dworshak Dam, Rodney J. Stebbins, CO4:Dec 78:539:14229

Cavitation Resistance
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Expansion of Cavities in Sand, H. B. Poorooshasb and B. Lelievre, Preprint No.80-543, Oct 80, 14pp.
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Cellular Structures
Graded and Perfect Disorder in Random Media Elasticity, Ekkehart Kroner, EM5:Oct 80:889:15754
Model Study of Circular Sheetpile Cells, James K. Maitland and Warren L. Schroeder, GT7:July 79:805:14712

Cementation
Liquefaction Study of Cemented Sand, Sam Frydman, David Hendron, Harry Horn, Joav Steinbach, Rafael Baker and Benzion Shaal, GT3: Mar 80:275:15289

Cement Grouts
Preliminary Glossary of Terms Relating to Grouting, Lloyd R. Gebhart, Chmn., GT7:July 80:803:15581

Cements
The Cracking and Fracture of Mortar, Sidney Mindess and Sidney Diamond, FIC:Oct 80:15
Examination of Degraded Aggregate Cement Value Test, Gerald Patrick Raymond, TE3:May 79:329:14595
Fatigue Behavior and Design of Ferrocement Beams, Perumalsamy N. Balaguru, Antoine E. Naaman and Surendra P. Shah, ST7:July 79:1333:14671
Tension and Tension-Shear Fractures in Cements and Concretes, Michael A. Taylor, FIC:Oct 80

Census
Whither Satellite Remote Sensing—II?, Kneeland A. Godfrey, Jr., CE:Apr 80:63

Central Business Districts
Intra-CBD Travel Patterns of Downtown Workers, Murthy V.A. Bondada, Preprint No.80-655, Oct 80, 13pp.
Stamford's Urban Renewal Project Takes Off, Eugene E. Dallaire, CE:Apr 79:82
Transportation in A Socio-Physical Planning Model, Donald Wolbrink and Ellsworth B. Narris, MGC: July 80:237
TSM Measures for Major Activity Centers, Michael A. Kennedy and Walter Kudlick, TE5:Sept 79:499:14830

Certification
Industry Upgrades Technician Training, John P. Bachner, CE:Aug 79:62

Chalk
Effect of Soil Set Up on Pile Driveability in Chalk, Vasant N. Vijayvergiya, Aylmer P. Cheng and Henricus J. Kolk, GT10:Oct 77:1069:13293

Change Orders
Contractual Arrangements for Construction, Louis W. Riggs, CRLS:Jan 79:1-101
Risk and Liability: The Owner's View, Max W. Strauss, CRLS:Jan 79:1-25
What to Do If You Think A Pile Claim Is Coming, Robert A. Rubin, CO4:Dec 78:503:14202

Channel Design
Hydraulic Design of Flow Distribution Channels, Junn-Ling Chao and R. Rhodes Trussell, EE2:Apr 80:321:15317
Modeling Channel Processes with Changing Land Use, Leonard J. Lane and George R. Foster, IRKB: July 80:200

Channel Erosion
Geomorphic Indices of Hydrologic Characteristics, R. B. White and Richard H. Hawkins, IRKB:July 80: 54

Channel Improvements
Geomorphic Study of Upper Mississippi River, Yung Hai Chen and Daryl B. Simons, WW3:Aug 79:313: 14778
The Physical Impacts of Sand Removal From Rivers, Jimmy F. Harp and Joakim G. Laguros, IRKA:July 80:180

Channelization
Effects of Dam Construction and Channelization on Deltaic Wetlands, Arthur R. Benton, Jr., ASDC:80: 183
Modeling Waste Assimilation After Channelization, Edward C. Davis and Edward L. Thackston, EE80: July 80:153

Channel Morphology
Determining Instream-Flow Needs on Public Lands, Mike Whittington and Bruce Van Haveren, IRKA: July 80:36
Equipment for Investigations of Fluvial Sediment, Paul C. Benedict, HY3:Mar 79:163:14407

Channels
Calculation of Strongly Curved Open Channel Flow, Michael A. Leschziner and Wolfgang Rodi, HY10: Oct 79:1297:14927
Channel Routing by Finite Difference Method, Yang H. Huang, HY10:Oct 78:1379:14088
Determinate Hydraulic Geometry of River Channels, Richard D. Hey, HY6:June 78:869:13830
Finite Element Analysis of Wave Transmission in A Coastal Channel with a Bell-Mouth Entrance, T. C. Gopalakrishnan and Jerry L. Machemehl, HYUS: June 80:125
Flow Resistance of Large-Scale Roughness, James C. Bathurst, HY12:Dec 78:1587:14239
Geometry of Gravel Streams, Howard H. Chang, HY9:Sept 80:1443:15678
Geometry of Rivers in Regime, Howard H. Chang, HY6:June 79:691:14640
Improved Stability of Dronkers' Tidal Schemes, Guus S. Stelling, HY8:Aug 80:1365:15660
Low Flow and Stormwater Quality in Urban Channels, Philip B. Bedient, Jeff L. Lambert and Paulo Machado, EE2:Apr 80:421:15336
Modeling Channel Processes with Changing Land Use, Leonard J. Lane and George R. Foster, IRKB: July 80:200
Riverbed Improves over Time: South Fork Salmon, Walter F. Megahan, William S. Platts and Bert Kulesza, IRKB:July 80:380
Stable Alluvial Canal Design, Howard H. Chang, HY5:May 80:873:15420
Steady Solution for River Flow, Robert F. Allen, TN: HY4:Apr 80:608:15305
Total Load of Bed Materials in Open Channels, Hideo Kikkawa and Tadaharu Ishikawa, HY7:July 78:1045:13895

Channels (Waterways)
Canal Seepage with Boundary at Finite Depth, Heramb D. Sharma and Amrik S. Chawla, HY7: July 79:877:14715
Statistical Analysis of Sediment Motions on Dunes, Che S. Hung and Hsieh Wen Shen, HY3:Mar 79: 213:14438
Steepness of Sedimentary Dunes, Mehmet Selim Yalin and Emin Karahan, HY4:Apr 79:381:14502
Tidal Hydraulics in Estuarine Channels, Robert M. Snyder, HY2:Feb 80:237:15202
Weir and Flume Calibration by Pondage Drawdown, F. Allan Johnson and Christopher S. Green, HY11: Nov 80:1903:15847

Channel Stabilization
Dynamic Model for Channel Bed Erosion, Donald A. Drew, HY6:June 79:721:14634
Flow Resistance in Cobble and Boulder Riverbeds, Daryl B. Simons, Khalid S. Al-Shaikh-Ali and Ruh-Ming Li, HY5:May 79:477:14576
Generalized Stability Analysis of Channel Banks, Victor Miguel Ponce, IR4:Dec 78:343:14228
Laboratory Measurement of Sediment by Turbidity, Peter R.B. Ward and Remigio Chikwanha, HY6: June 80:1041:15470
Rockfill Linings for Channels, David Stephenson, IRKB:July 80:643
Scour Velocities in Ephemeral Channels, William C. Hughes, HY9:Sept 80:1435:15701
Sediment-Morphology Relations of Alluvial Channels, Waite R. Osterkamp, IRKB:July 80:188

Characteristics
Channel Flow Computations Using Characteristics, Kathirithamby Sivaloganathan, HY7:July 79:899: 14717
Flood Routing by Characteristic Methods, Kathirithamby Sivaloganathan, HY7:July 78:1075: 13866
Nonlinear Finite Element Analysis of Farm Silos, Karoon Chandrangsu and Alfred G. Bishara, ST7: July 78:1045:13907

Character Processors
MOVIE.BYU—A Computer Graphics Software System, Henry N. Christiansen and Michael B. Stephenson, TC1:Apr 79:3:14484

Charcoal
Leach Characteristics of Coal-Gasification Char, Richard G. Luthy, Pantelis Vassiliou and Mark J. Carter, EE1:Feb 80:81:15171

Charts
Hydraulics of Microtube Emitters, Krishanlal C. Khatri, I-Pai Wu, Harris M. Gitlin and Allan L. Phillips, IR2:June 79:163:14613

Check Valves
Environmental Problems and Products, Philip V. DiVietro, CE:Sept 79:94
Extended Set of Components in Pipe Networks, M. Chandrashekar, HY1:Jan 80:133:15130

Chelating Agents
The Effect of Complex Formation on the Removal of Heavy Metals from Water and Wastewater, C. P. Huang and A. R. Bowers, EE80:July 80:240

Chemical Damage
Facility Site Evaluation and Chemical Hazards, John S. Gardenier and Michael C. Parnarouskis, PO80: May 80:555
Marine Turtles and Problems in Coastal Management, John G. Frazier, CZ80:Nov 80:2395

Chemical Equilibrium
Simulation of Lime-Soda Softening, Li-Shiang Liang, Irvine W. Wei and Henry G. Sideropoulos, EE5: Oct 80:935:15756

Chemical Grouting
Cross-Borehole Observation of Soil Grouting, Edwin F. Laine, R. Jeffrey Lytle and Justin T. Okada, GT8:Aug 80:871:15649
Preliminary Glossary of Terms Relating to Grouting, Lloyd R. Gebhart, Chmn., GT7:July 80:803:15581
Sand to Sandstone: Foundation Strengthening with Chemical Grout, Edward D. Graf and Edwin G. Zacher, CE:Jan 79:67

Chemical Oxygen Demand
Removal of Soluble Secondary-Effluent Organics, Stephen J. Randtke and Perry L. McCarty, EE4: Aug 79:727:14763

Chemical Reactions
Chemical Transfer into Overland Flow, John J. Ingram and David A. Woolhiser, IRKB:July 80:40

Chemical Removal (Sewage Treatment)
Managed On-Site Disposal in Unsewered Areas, George E. Wilson, Jerry Y.C. Huang, George Tchobanoglous and Gil Wheeler, EE3:June 79:583: 14619
Republic Steel Recycling Over 85% of Wastewater from Steel Mill, CE:June 80:102

Chemical Removal (Water Treatment)
Role of Innovative Engineering in Rail Operations, Donald O. Eisele, MGC:July 80:138

Chemical Treatment
Construction on Expansive Rock, K. L. Logani, SLS: June 80:496

Chemical Wastes
Port Reception Facilities and the Coastal Zone, Henry S. Marcus, CZ80:Nov 80:1594

Chicago
Chicago Water System: Opportunities and Challenge of Lake Michigan, Richard A. Pavia, WR2:Sept 79: 371:14856
Lake Michigan Water Allocation in Illinois, Frank L. Kudrna, Donald R. Vonnahme and Kenneth L. Brewster, WR1:Mar 80:43:15232
Temporary Detention Cuts Storm Flow Peaks, Ayoub Talhami, CE:Dec 80:72
Time Series Modeling of Chicago Particulates, William D. O'Neill, EE5:Oct 79:855:14887
Water Resources for Chicago — History and Furure, Forrest C. Neil and Frank E. Dalton, WR1:Mar 80: 173:15269

Chimneys
Aerodynamics in Air Pollution Modeling, Hua Wang and Henry Liu, TE2:Mar 80:171:15263
Elastic-Plastic Seismic Response of Chimney, Le-Chung Shiau and Henry T.Y. Yang, ST4:Apr 80: 791:15325
Structural Characterization Of Concrete Chimneys, Kalman L. Benuska, Gerald Y. Matsummoto, Everett H. Killam and John G. Diehl, EM81:Jan 81:152

China
Tangshan Rebuilds after Mammoth Earthquake, James M. Gere and Haresh C. Shah, CE:Dec 80:47
U.S.-China Relations: Friends Now, Partners Tomorrow?, Ann E. Seltz-Petrash, CE:Apr 79:57

Chipping
Soil Solution Chemistry and Slash Disposal, George E. Hart, Norbert V. DeByle and Robert W. Hennes, IRKB:July 80:318

Chlordan
Chlordane In Housing: An Example of Government Response to Indoor Air Quality Problems, Samuel Silberstein and Benigna S. Carroll, Preprint No.80-657, Oct 80, 11pp.

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Road Salts Movement into Two Toronto Streams, William S. Scott, EE3:June 80:547:15468

Chlorinated Hydrocarbon Pesticides
Organics in Water—An Engineering Challenge, Perry L. McCarty, EE1:Feb 80:1:15180

Chlorination
Control of Trihalomethanes Using Powdered Carbon, Mark C. Anderson, R. C. Butler, B. H. Kornegay and W. D. Pfoutz, EE80:July 80:378
How to Remove Trihalomethanes from Drinking Water, Robert C. Siemak, R. Rhodes Trussell, Albert R. Trussell and Mark D. Umphres, CE:Feb 79:49
Kinetics of Bacterial Deactivation with Chlorine, Robert E. Selleck, Bernard M. Saunier and Harvey F. Collins, EE6:Dec 78:1197:14247

Chlorine
Chlorine Effect on Secondary Effluent Filtration, Andrew K. Hsiung, TN: EE3:June 80:649:15447
Persistence of Chlorine in Cooling Water from Electric Generating Station, G. Fred Lee, EE4:Aug 79:757:14777

Chlorophyll
Quantitative Chlorophyll Mapping Using Ultra-Narrow Band Airborne Photography (Abstract), Edward Wedler, AS80:Aug 80:53

Circulation
Modeling Two-Dimensional Circulating Flow, George H. Lean and T. John Weare, HY1:Jan 79:17:14312
Secondary Flow and Shear Stress at River Bends, James C. Bathurst, Colin R. Thorne and Richard D. Hey, HY10:Oct 79:1277:14906
Shear-Stress Distribution in Stable Channel Bends, Mamdouh Nouh and Ronald D. Townsend, HY10: Oct 79:1233:14898

Cities
Community Programming in Newer Industrial Nations, Vernon E. Swanson, UP1:Jan 79:1:14280

Civil Aviation
State Airport Planning and Financing, Owen Miyamoto, MGC:July 80:14

Civil Engineering
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The Computer Service Bureau: What Role Today?, Michael P. Ingardia, CE:Apr 79:76
Computers in Civil Engineering Undergraduate Education, Robert John Craig, CP80:June 80:419
CSI Format for Engineering Specifications, Robert L. McManus, Preprint No.80-150, Apr 80, 19pp.
Digital Terrain Models in Civil Engineering Design, Robert N. Eli and Ronald W. Eck, CP80:June 80: 122
Education in Civil Engineering: Boost Professional Orientation?, Kneeland A. Godfrey, Jr., CE:Aug 79: 64
Engineering Software Selection Criteria, Peter F. Zoll, CP80:June 80:67
History of Computer Graphics in the U.S. Army Corps of Engineers, Harry F. Hardin and James M. Jones, II, CP80:June 80:10
History of NICE, Inc., John H. Carman, Preprint No.80-602, Oct 80, 6pp.
An Interactive Software System for Competency and Project Oriented Civil Engineering Education, A. Fattah Chalabi, CP80:June 80:406
Introductory Comments Data Base Systems, Bruce B. Schimming, CP80:June 80:635
Landsat Image Processing and Mapping Techniques and Their Utility for Civil Engineering Applications (Abstract), Donald R. Morris-Jones and Mervyn B. Walsh, AS80:Aug 80:182
Master's Degree - A Mixed Bag, James V. Parcher, EI4:Oct 79:227:14921

Not For Computer People Only—APL In Universities, Morton D. Sinkoff, CP80:June 80:424
Opportunities in Engineering and Construction Entrepreneurship for Minorities, ASCE Board of Direction, EI2:Apr 79:77:14520
Parity for Minorities in Engineering: Myth or Reality, Melvin Thompson, EI2:Apr 79:65:14485
Software Problems in University Environment, Leonard A. Lopez, TC2:Dec 79:385:15029
Sources of Computers for Small Engineering Firms, Morton B. Lipetz, CP80:June 80:592
A User's Experience with New Zealand ICES Software, David Loukes, CP80:June 80:678
What Can be Done to Boost the Efficiency of the Civil Engineering Profession?, CE:Oct 80:91

Civil Engineers
Computer-Aided Design and Drafting for Small Engineering Firms, Ann E. Seltz-Petrash, CE:Feb 80:56
Concept to Commissioning: How Risky the Trip?, Chauncey E. Burtch, CRLS:Jan 79:1-7
Consulting Engineering Graduate Education, Lloyd H. Ketchum, Jr., EI4:Oct 79:197:14889
Engineers on the Witness Stand: Guidelines for Expert Testimony, John Huston, CE:Feb 79:82
Professional Development in Iowa: 1979 Surveys, Robert D. Reckert, EI4:Oct 80:365:15765
Proposed Right-of-Way Policy, William T. Wambach, Jr., Chmn., SU1:Nov 79:35:14956
Public Engineers—Why the Least Happy Category of Civil Engineers?, Kneeland A. Godfrey, Jr., CE: Mar 80:86
The Role of ASCE in Influencing Public Policy on Controversial Technical Issues, Karen Kirk, EI4:Oct 80:415:15780
Section Handbook for Implementation of Manual 55, Philip J. Dinauer, EI4:Oct 79:179:14875
Space: A Place to Work, Virginia Fairweather, CE: July 79:48
Top Foreign-Born Civil Engineers Speak Their Minds, Allen Morrison, CE:Oct 80:115
Women Engineers: Here to Stay, Ann E. Seltz-Petrash, CE:May 79:68

Cladding
Modal Parameter Estimation For A Highrise Building Using Amibient Response Data Taken During Construction, M. Meyyappa, H. Palsson and J. I. Craig, EM81:Jan 81:141

Claims
Evaluation of Owner Comments on Specifications, Edward R. Fisk, CO4:Dec 80:469:15875
What to Do If You Think A Pile Claim Is Coming, Robert A. Rubin, CO4:Dec 78:503:14202

Claims (Contracts)
Allocation of Risks—B, Terence G. McCusker, CRLS:Jan 79:II-56
Allocation of Risks—C, R. K. McFarland, CRLS:Jan 79:II-64
Allocation of Risks—D, George Ziegler, CRLS:Jan 79:II-69
Contractual Arrangements—C, Max E. Greenberg, CRLS:Jan 79:II-100
Report on Improving Construction Arbitrations, John W. Nichols, Chmn., CO1:Mar 79:1:14414

Clarification
Effectiveness of Backwashing for Wastewater Filters, John L. Cleasby and James C. Lorence, EE4:Aug 78:749:13967
Treating Industrial Wastewater of Varying Quality and Quantity, Sydney H. Stilley, EE80:July 80:553

Clarifiers
Honolulu Sewage Plant Pioneers Advanced Primary Treatment, Has Deepest Ocean Outfall, Wallace S. Miyahira and Stanley T. Yamanaka, Jr., CE:June 79:76

Classification
Classification of Hazardous Wastes, Albert J. Klee and Michael U. Flanders, EE1:Feb 80:163:15205
Classification of Urban Areas for Travel Forecasting, Yupo Chan and Jossef Perl, TE5:Sept 79:513:14831
Coal, Wildlife and Remote Sensing, James R. Getter, ASDC:80:198
Development of a Landfill Classification System, Michael U. Flanders, CP80:June 80:239
Empirical Strength Criterion for Rock Masses, Evert Hoek and Edwin T. Brown, GT9:Sept 80:1013: 15715
The New OBERS Projections, Henry L. DeGraff, EFHYF:Mar 79:93
The Operational Use of Landsat for Lake Quality Assessment, Frank L. Scarpace and Lawrence T. Fisher, AS80:Aug 80:88
Railroad Ballast Load Ranking Classification, Gerald Patrick Raymond and Vishnu A. Diyaljee, GT10: Oct 79:1133:14900

Clay (Material)
Treatment of Peaty Clay by High Energy Impact, Salem D. Ramaswamy, Mohamed A. Aziz, Raja V. Subrahmanyam, M. H. Abdul Khader and Seng-Lip Lee, GT8:Aug 79:957:14787

Clayey Soils
Design and Construction of Short Piles for Expansive Soils in Coro, Venezuela, Leopoldo Garcia-Iturbe and Jorge Martinez, SLS:June 80:850
Rheology of Swelling Soils and Deformation Forecast, Abbas Ali ogly Mustafayev and G. D. Chigniev, SLS:June 80:760

Clay Minerals
Keynote Address, Spencer J. Buchanan, SLS:June 80: 661

Clays
Analysis of Piles in Clay Against Earthquakes, Shamsher Prakash and V. Chandrasekaran, Preprint No.80-109, Apr 80, 20pp.
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Behavior of Rigid Piers in Layered Cohesive Soils, Nabil F. Ismael and Tony W. Klym, GT8:Aug 78: 1061:13969
Cam-Clay Predications of Undrained Strength, Paul W. Mayne, GT11:Nov 80:1219:15816
Computer Modeling of Clay Structure and Mechanics, Ronald F. Scott and Michael J.K. Craig, GT1:Jan 80:17:15128
Cone Penetration in Soil Profiling, Mohsen M. Baligh, Vitoon Vivatrat and Charles C. Ladd, GT4: Apr 80:447:15377
Consolidation and Strength Properties of a Clay, Tien H. Wu, Nien Y. Chang and Elfatih M. Ali, GT7: July 78:889:13891
Cyclic and Static Laboratory Tests on Drammen Clay, Knut H. Andersen, Jacobus H. Pool, Stephen F. Brown and Wim F. Rosenbrand, GT5:May 80: 499:15434
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Cyclic Stress-Strain History and Shear Characteristics of Clay, Tamotsu Matsui, Hideo Ohara and Tomio Ito, GT10:Oct 80:1101:15776
Debris Flow on Prismatic Open Channel, Tamotsu Takahashi, HY3:Mar 80:381:15245
Deep Vertical Fabric Moisture Seals, Malcolm L. Steinberg, SLS:June 80:383
Deformation and Strength Characteristics of Soft Bangkok Clay, A. S. Balasubramaniam and A. R. Chaudry, GT9:Sept 78:1153:14040
Engineering Properties of Soil-Lime Mixes, Mohamed M. Aly Sabry and James V. Parcher, TE1:Jan 79:59:14278

Expansive Roadbed Treatment for Southern Africa, D. J. Weston, SLS:June 80:339
Foundation Response Caused by Disturbance of Clay, Richard P. Weber, GT5:May 78:583:13765
Foundation Stability on Nonhomogeneous Clays, James D. Murff and Terrell W. Miller, GT10:Oct 77:1083:13302
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Laboratory Measurement of Sediment by Turbidity, Peter R.B. Ward and Remigio Chikwanha, HY6:June 80:1041:15470
Lateral Load Tests on Drilled Piers in Stiff Clays, Kul Bhushan, Steven C. Haley and Patrick T. Fong, GT8:Aug 79:969:14789
Low Velocity Project'le Penetration of Clay, Umesh Dayal, John H. Allen and Dronnadula V. Reddy, GT8:Aug 80:919:15657
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Minimizing Foundation Swell Potential in Yazoo Clay, James E. Laier and Joseph H. Lamar, SLS:June 80:421
Modelling Climatic Effects on Clay Beneath Slabs, Judith B. Corley, SLS:June 80:533
New Aspects of Soil Fracturing in Clay, Karl Rainer Massarsch, GT8:Aug 78:1109:13961
Nonlinear Behavior of Soft Clays during Cyclic Loading, Izzat M. Idriss, Ricardo Dobry and Ram D. Singh, GT12:Dec 78:1427:14265
Pile Foundations for One Market Plaza, Edward E. Rinne and Michael W. Stobbe, GTDF:80:343
Predrilling: Minimizes the Undesirable Effects of Pile Installation?, Richard P. Ray, Edward J. Ulrich, Jr. and James Malinak, GTDF:80:459
Public Awareness of Homes Built on Shrink-Swell Soils, Wesley G. Holtz, SLS:June 80:617
Pull-Out Load Test of a Drilled Pier in Very Stiff Beaumont Clay, Richard A. Pearce and Carl L. Brassow, GTDF:80:331
Relationships and Variations of Properties of Clay, Thomas M. Petry and J. Clyde Armstrong, SLS:June 80:172
Sample Disturbance and Stress-Strain Behavior, Vincent P. Drnevich and Karl Rainer Massarsch, GT9:Sept 79:1001:14809
Seismic Response of Cohesive Marine Soils, Chan-Feng Tsai, Ignatius Lam and Geoffrey R. Martin, GT9:Sept 80:997:15708
Self-Boring Pressuremeter Study of San Francisco Bay Mud, G. Wayne Clough and Gordon M. Denby, GT1:Jan 80:45:15148
Shear Strength and Swelling of Clays Under Suction, Amos Komornik, Moshe Livneh and S. Smucha, SLS:June 80:206
Slope Effect on House Shrink-Swell Movements, John H. Schmertmann and David K. Crapps, GT12:Dec 80:1327:15943
Soaked Strength of Laboratory Compacted Clay, James C. Scott, Adolph G. Altschaeffl and Charles William Lovell, GT11:Nov 79:1273:14987
Special Address—Conference Overview, Leonard Krazynski, SLS:June 80:671
Stable Embedment Depth of Piles in Swelling Clay, D. David and A. Komornik, SLS:June 80:798
Strength Anisotropy of Layered Soil System, M. Krishna Murthy, T. S. Nagaraj and A. Sridharan, TN: GT10:Oct 80:1143:15724
Time-Dependent Deformation Behavior of Clays, Edward Kavazanjian, Jr. and James K. Mitchell, GT6:June 80:611:15488
Undrained Cyclic Strength of Marine Soils, William N. Houston and Herbert G. Herrmann, GT6:June 80:691:15508
Viscoplasticity of Normally Consolidated Clays, Atilla M. Ansal, Zdenek P. Bazant and Raymond J. Krizek, GT4:Apr 79:519:14546
Viscoplasticity of Transversely Isotropic Clays, Zdenek P. Bazant, Atilla M. Ansal and Raymond J. Krizek, EM4:Aug 79:549:14738

Clay Shales

Effects of Pore Fluid on the Swelling of Clay-Shale, N. R. Morgenstern and B. I. Balasubramonian, SLS:June 80:190
Instrumented Drilled Shafts in Clay-Shale, Patrick M. Goeke and Paul A. Hustad, Aff., GTDF:80:149
Summary of Open Discussion, D. R. Snethen, A. Ruckman, D. G. Fredlund, R. L. Lytton, R. G. McKee, W. G. Holtz, M. L. Steinburg, D. H. van der Merwe, Z. Ofer, C. Coffee, E. Stepkowska, B. Balasubramonian, A. A.B. Williams, H. Reitz and P. Mitchell, SLS:June 80:717

Clay Soils

Behavior of Expansive Soils in Western Canada, J. J. Hamilton, SLS:June 80:815
Creep Damage to Structures on Expansive Clay Slopes, Robert L. Lytton and Larry D. Dyke, SLS:June 80:284
Field Studies of Airport Pavements on Expansive Clay, R. Gordon McKeen, SLS:June 80:242
Foundation Performance of Tower of Pisa, James K. Mitchell, Vitoon Vivatrat and T. William Lambe, GT3:Mar 77:227:12814
Keynote Address, Spencer J. Buchanan, SLS:June 80:661
Self-Boring Pressuremeter Tests in Clay, Gordon M. Denby and G. Wayne Clough, GT12:Dec 80:1369:15950
Special Address—Conference Overview, Leonard Krazynski, SLS:June 80:671

Clay Structure

Computer Modeling of Clay Structure and Mechanics, Ronald F. Scott and Michael J.K. Craig, GT1:Jan 80:17:15128
Significance of Particle Size Distribution Similarity in Prediction of Swell Properties, R. Rama Rao and P. Smart, SLS:June 80:96

Clear-Cutting

Controlling Nonpoint Source Pollution from Commercial Clearcuts, Keith E. Mussallem and James A. Lynch, IRKB:July 80:669
Path Clearcuts to Manage Snow in Lodgepole Pine, Howard L. Gary, IRKB:July 80:335
Soil Moisture and Snowpack after Clearcutting, George E. Hart and David A. Lomas, IRKB:July 80:311
Soil Solution Chemistry and Slash Disposal, George E. Hart, Norbert V. DeByle and Robert W. Hennes, IRKB:July 80:318
Timber Harvest and Water Yields in the Ozarks, Carl D. Settergren, R. Michael Nugent and Gary S. Henderson, IRKB:July 80:661

Cliffs

Sunset Cliffs Stabilization San Diego, California, Louis J. Lee and Walter Crampton, CZ80:Nov 80:2271

Climatic Changes

Modelling Climatic Effects on Clay Beneath Slabs, Judith B. Corley, SLS:June 80:533

Climatic Data

Augmentation of Hydrologic Records Using Tree Rings, Charles W. Stockton and William R. Boggess, EFHYF:Mar 79:239
Hydroclimatology—A Needed Cross-Discipline, Ronald F. Kilmartin, EFHYF:Mar 79:160
Transportation Planning for Southwest Alaska, Walter T. Downs, MGC:July 80:256

Climatology
The Annual Water Balance, Peter S. Eagleson, HY8: Aug 79:921:14781
Environmental Information From Sediments, David P. Adam, EFHYF:Mar 79:206
Hydroclimatology—A Needed Cross-Discipline, Ronald F. Kilmartin, EFHYF:Mar 79:160
Is Your Weather Being Modified?, Stanley A. Changon, Jr., IR1:Mar 80:37:15253
Managing Snowpack Augmentation Research, Olin H. Foehner, IRKA:July 80:85
Session III—Meteorology and Hydrology, Roger A. Amisial, EFHYF:Mar 79:419
Weibull Distributions and Extreme Wind Speeds, Emil Simiu and James J. Filliben, ST12:Dec 80: 2365:15909

Clogging
Trickle Irrigation Using Treated Wastewaters, Gideon Oron, Gedaliah Shelef and Berta Turzynski, IR2: June 79:175:14611

Closed Conduit Flow
Analysis of Closed Conduit Irrigation System and Its Subdivision, David Karmeli and Gideon Oron, IR2: June 79:187:14612
Urban Storm Sewer Flows in Coastal Areas, Chintu Lai, HYUS:June 80:244

Closed Conduits
Analysis of Closed Conduit Irrigation System and Its Subdivision, David Karmeli and Gideon Oron, IR2: June 79:187:14612

Clouds
Water Resources; Surveying, CE:Jan 80:93

Cloud Seeding
An Evaluation of a Cloud Seeding Program in Utah, Don A. Griffith, IRKA:July 80:107

Coagulation
Chemical Conditioning of Activated Sludge, John T. Novak and Bjorn-Erik Haugan, EE5:Oct 79:993: 14892
Coagulation and Detention of Stormwater Runoff, J. S. Godlewski, P. Moore and B. A. Snyder, Preprint No.80-666, Oct 80, 12pp.
Feasibility of Wastewater Treatment with Ferrate, Thomas D. Waite, EE6:Dec 79:1023:15030
Judiciously Planned Bench Scale Studies are Extremely Valuable in AWT Process Selection, Madan L. Arora, Margaret J. Bliss and Ken M. Trompeter, EE80:July 80:100
Mathematical Modeling of Humic Substances Removal with Activated Carbon Beds, Michael C. Lee, John C. Crittenden, Vernon L. Snoeyink and William E. Thacker, EE80:July 80:387
Performance of Package Water Treatment Plants, James M. Morand and Matthew J. Young, EE80: July 80:526
Removal of Soluble Secondary-Effluent Organics, Stephen J. Randtke and Perry L. McCarty, EE4: Aug 79:727:14763

Coal
Big Cajun No. 2 Docks: Planning and Design, Duli C. Sharma, PO80:May 80:100
Coal for Irrigation Pump Power, Robert S. Hulsman, Preprint No.80-035, Apr 80, 15pp.
An Environmentally Acceptable Coal Port, Paul Soros and Mohammed Osman, PO80:May 80:11
Grade-Crossing Accident Prediction, Lawrence W. Margler and Michael B. Rogozen, TE3:May 80: 257:15408
High Speed Rail to Barge Coal Transfer Terminal, Richard H. Schmitz, Andrew Benko and Richard Rogers, PO80:May 80:148
Impact of Potential Electric Vehicle Market Penetrations on Air Quality, Martin J. Bernard, III, CAAA:Nov 79:329
A Marine Terminal for Exportation of Slurried Coal, R. B. Jacques and P. K. Johnson, PO80:May 80:32
Predicting the Spatial Variation in Erosion, William O. Rasmussen, John L. Thames and Peter F. Ffolliott, IRKB:July 80:781
Zero Discharge Waste Management for a Coal-Fired Power Plant under Environmental and Resource Constraints, R. T. Fellman, M. F. Kuo, H. H. Yeh and J. F. Fitzpatrick, EE80:July 80:221

Coal Deposits
High Speed Rail to Barge Coal Transfer Terminal, Richard H. Schmitz, Andrew Benko and Richard Rogers, PO80:May 80:148
Subsurface Coal Refuse Bank Fire Delineation, Ronald W. Stingelin, ASDC:80:268

Coal Gasification
Biological Treatment of Synthetic Fuel Wastewater, Richard G. Luthy, Deborah J. Sekel and James T. Tallon, EE3:June 80:609:15459
Fluid-Bed Combustion and Gasification Solids Disposal, Dale L. Keairns, Colette C. Sun, Charles H. Peterson and Richard A. Newby, EY2:Oct 80: 213:15749
Land Disposal of Coal Gasification Residue, William J. Boegly, Jr., Henry W. Wilson, Jr., Chester W. Francis and E. C. Davis, EY2:Oct 80:179:15757
Leach Characteristics of Coal-Gasification Char, Richard G. Luthy, Pantelis Vassiliou and Mark J. Carter, EE1:Feb 80:81:15171

Coal Handling
An Environmentally Acceptable Coal Port, Paul Soros and Mohammed Osman, PO80:May 80:11

Coal Mines
Remote Sensing and Mine Subsidence, Orville R. Russell, Roger V. Amato and Thomas V. Leshendok, TE2:Mar 79:185:14467

Coal Mine Wastes
Land Reclamation at Abandoned Deep Coal Mine, Michael Wilkey and Stanley Zellmer, EE5:Oct 79: 843:14877

Coal Mining
Chemical Flocculation in Coal Mine Sediment Ponds, John S. Tapp, Billy J. Barfield and Edward G. Foree, IRKB:July 80:615
Coal Mine Reclamation with Native Plants, Lee E. Eddleman, IRKB:July 80:80
Coal Mining Effects on Western Groundwater Quality, Rollin H. Hotchkiss and J. Paul Riley, IRKA:July 80:1
Design for Erosion Loss Studies on Disturbed Lands, W. Russell Hamon and James V. Bonta, IRKB:July 80:27
Dissolved Solids from Appalachia Coal Mining, Jack D. Generaux and Keith O. Eggleston, IRKB:July 80:607
Establishing Cool-Season Grasses on Mine Spoils, Earl F. Aldon, David G. Scholl and Charles P. Pase, IRKB:July 80:91
Hydrologic Considerations in Federal Coal Leasing, Bruce Van Haveren, IRKB:July 80:655
Long-Term Impacts of Surface Mining on Streamflow, R. C. Sidle and H. A. Menser, IRKB: July 80:598
Predicting the Spatial Variation in Erosion, William O. Rasmussen, John L. Thames and Peter F. Ffolliott, IRKB:July 80:781
Regulations Complicate Land Reclamation in the West, Ann E. Seltz-Petrash, CE:Sept 80:85
Sediment Characteristics of the Tongue River Basin, Thomas J. Osborne and Charles B. Andrews, IRKB: July 80:114

Coal Storage
The CEIP: An Ohio Perspective, Michael L. Adams, CZ80:Nov 80:612
High Speed Rail to Barge Coal Transfer Terminal, Richard H. Schmitz, Andrew Benko and Richard Rogers, PO80:May 80:148

Coastal Engineering
Buoyant Surface Jet in Tidal Longshore Current, Eric J. Wolanski and Michael L. Banner, HY11:Nov 78: 1505:14186
Coastal Development at Nile Mediterranean Outlets, Ismail Mobarek and Joel M. Goodman, CZ80:Nov 80:724
The Coast in Washington State, Charles H. Odegaard, CZ80:Nov 80:1354
Consistency Review of OCS Acitvities Off California, Irwin D. Karp, CZ80:Nov 80:2103
Cumulative Impact Assessment-California Coastal Law, William Milan Boyd, CZ80:Nov 80:1321
Design Criteria for Floating Tire Breakwaters, Volker W. Harms, WW2:May 79:149:14570
Diffraction of Water Waves by Isolated Structures, Volker W. Harms, WW2:May 79:131:14561
Expediting The Coastal Approval Process, Jeffrey A. Layton and Peter L. Buck, CZ80:Nov 80:1998
Floodplain Management: New Federal Groundrules, Timothy E. Maywalt, CZ80:Nov 80:1200
Impacts of Water Development and Coastal Engineering on Barrier Island Erosion Rates, Arthur R. Benton, Jr., ASDC:80:191
Inland Routing of Hurricane Surges in Wetlands, Armando I. Perez, Robert Laura, John D. Wang and Bernard LeMehaute, HYUS:June 80:347
Legal Standard for Coastal Development Permission, Jonathan M. Davidson, CZ80:Nov 80:1341
Managing Barrier Islands: Role of Local Government, Kent S. Butler, Kathryn N. Nichols and Ray Quay, CZ80:Nov 80:2036
Marine Turtles and Problems in Coastal Management, John G. Frazier, CZ80:Nov 80:2395
Maryland's Coastal Fisheries Program: An Overview, Mark M. Bundy, CZ80:Nov 80:931
The Networking Approach to Coastal Zone Management, Earl H. Bradley, Jr., CZ80:Nov 80: 1504
Regional Coastal Zone Management Coordination: Dealing with Coastal Flooding on New England, Steven L. Colman, CZ80:Nov 80:1216
Reinforced Earth Structures for Port Development, David P. McKittrick, PO80:May 80:786
Research Needs in Hydraulics, Coastal Engineering and Irrigation, CE:Apr 80:83
Sand Motion Initiation by Waves: Two Asymptotes, Robert Hallermeier, WW3:Aug 80:299:15603
Shallow Water Surface Wave Elevation Distributions, Edward F. Thompson, TN: WW2:May 80:285: 15385
South Padre Island Coastal Zone Management Study, W. G. Roeseler, CZ80:Nov 80:1645
Tidal Hydraulics in Estuarine Channels, Robert M. Snyder, HY2:Feb 80:237:15202
Washington's Automated Coastal Data Base: The Coastal Zone Atlas, Sue Wenke and Marc Horton, CZ80:Nov 80:2291
Wave Dampening Due to Rubblemound Breakwaters, Michael de St.Q. Isaacson, WW4:Nov 78:391: 14178
Wave Forces on Pipeline Buried in Permeable Seabed, Hugh MacPherson, WW4:Nov 78:407: 14187
Wave Runup around Large Circular Cylinder, Michael de St.Q. Isaacson, WW1:Feb 78:69:13563

Coastal Morphology
Access is the Opium of the Planner, Wallace Kaufman, CZ80:Nov 80:119
A Strategy for Financing Coastal Erosion Control, Waldon R. Kerns and Janet Scheid, CZ80:Nov 80: 19

Coastal Plains
Access is the Opium of the Planner, Wallace Kaufman, CZ80:Nov 80:119
Access to Coastal Resources: The Access Concept Comes of Age, William W. Dreyfoos, CZ80:Nov 80:1719
Analysis of Combined Rainfall-Hurricane Surge Frequencies, M. Aziz Tayfun and Jerry L. Machemehl, HYUS:June 80:15
Atlantic Coast Ecological Inventory, 1980, J. Albert Sherk, Jr. and Larry R. Shanks, CZ80:Nov 80:206
Beach Access Problems, Programs and Progress, David J. Brower, CZ80:Nov 80:1697
Boating: Challenged by Coastal Regulations, Susan H. Anderson, CZ80:Nov 80:104
California Coastal Data Collection Program—Data Collection, Analysis and Dissemination, George W. Domurat and Douglas M. Pirie, CZ80:Nov 80:2171
California Coastal Data Collection Program Status, Douglas M. Pirie and George W. Domurat, CZ80: Nov 80:2180
The CEIP: An Ohio Perspective, Michael L. Adams, CZ80:Nov 80:612
Coastal Energy Development in Santa Barbara County, Kirvil Skinnarland and Mel Willis, CZ80: Nov 80:634
Coastal Erosion in San Diego County, California, Gerald G. Kuhn and Francis P. Shephard, CZ80: Nov 80:1899
Coastal Erosion Management in Auatralia, David M. Chapman, CZ80:Nov 80:2218
Coastal Flooding in Metropolitan New York: A Case Study, Robert S. Taylor, Sue Ann Hanson and Stergios A. Dendrou, HYUS:June 80:316
Coastal Flooding of Tidal Estuaries, Shing S.T. Schluchter and M. Teubner, HYUS:June 80:275
The Coastal Land Development Process: Developer's Plights, Valinda Parker and Kent S. Butler, CZ80: Nov 80:1010
Coastal Management Planning in Anchorage, Alaska, Anthony Burns, CZ80:Nov 80:1750
Coastal Management Policy Emphasis in an Urban National Recreation Area, Herbert S. Cables and John T. Tanacredi, CZ80:Nov 80:213
Coastal Program Evaluation From a State Perspective or Can an Amoeba Find True Happiness Under a Microsocope?, William Travis, CZ80:Nov 80:451
Coastal Siting of Hazardous Waterfront Facilities, Paul C. Golden, CZ80:Nov 80:562
Coastal Storm Tide Frequency, Virginia to Delaware, Vance A. Myers and Francis P. Ho, HYUS:June 80:74
Coastal Zone Intergration of State and Local Plans, Lowdon Wingo and James Fawcett, CZ80:Nov 80: 2052
Coastal Zone Management Evaluation: Some Alternatives, John L. Kermond, CZ80:Nov 80:412
The Coast in Washington State, Charles H. Odegaard, CZ80:Nov 80:1354
Department of Energy Interests in Coastal Siting of Energy Facilities, Emmet W. Turner, CZ80:Nov 80: 402
Dispersion in Two-Layer Stratified Water Bodies, George C. Christodoulou and Jerome J. Connor, HY4:Apr 80:557:15342
Ecological Characterizations—An Evaluation Tool, Jay F. Watson, CZ80:Nov 80:509
Effectiveness of Assessments of Coastal Management, Robert J. Reimold, CZ80:Nov 80:444
Effect of Drainage Inlets on Recreation Facilities, Donald F. Mills, HYUS:June 80:388
Energy Facilities and the California Coast, William R. Ahern, CZ80:Nov 80:379
Energy Facility Planning and Siting in the Coastal Zone, Donald E. Glass, CZ80:Nov 80:396
Evaluation and Inter-Governmental Relations in CZM, G. Kem Lowry, Jr. and Norman H. Okamura, CZ80:Nov 80:429
Facility Site Evaluation and Chemical Hazards, John S. Gardenier and Michael C. Parnarouskis, PO80: May 80:555
Finite Element Analysis of Wave Transmission in A Coastal Channel with a Beil-Mouth Entrance, T. C. Gopalakrishnan and Jerry L. Machemehl, HYUS: June 80:125
Finite Element Model for Hurricane Surge and Coastal Flooding, Jing Song Wei, Hsuan S. Chen and Jerry L. Machemehl, HYUS:June 80:205
Friction Factors in Storm Surges over Inland Areas, Raymond Walton and Bent A. Christensen, WW2: May 80:261:15439
Future Activities in Engineering Surveying, Joseph P. Burns, SU1:Nov 79:11:14950

Hazard Mitigation on Barrier Island and Beaches, Dunesh C. Sharma, CZ80:Nov 80:1450
Human Influence on the Sediment Budget of a Barrier Island, Craig H. Everts, CZ80:Nov 80:863
Influence of Storm Type and Urbanization on Tidal Flooding, Armando Balloffet and Michael L. Scheffler, CZ80:Nov 80:2256
Issues in Mapping Atlantic Coastal Ecological Data, Paul R. Adamus, Thomas E. Bigford and James R. Hynson, CZ80:Nov 80:160
Joint Occurrences in Coastal Flooding, M. Aziz Tayfun, WW2:May 79:107:14560
Legal Aspects of Coastal Natural Hazards Management, Richard G. Hildreth, CZ80:Nov 80: 1370
Major Mapping Activities in the Coastal Zone, Peter F. Bermel, CZ80:Nov 80:2380
Management of Coastal Resources In Arctic Alaska, Gretchen Keiser and Wayne Pichon, CZ80:Nov 80: 1481
Marine Kelp: Energy Resource in Coastal Zone, Ronald L. Ritschard and Kendall F. Haven, CZ80: Nov 80:967
Marine Sanctuary Institutional Analysis, Brian J. O'Sullivan, CZ80:Nov 80:1979
Maritime Risk and Coastal Zone Management, Justus R. Riek, CZ80:Nov 80:575
Mathematical Model for Evaluating Extra-Ordinary Tide in Coastal Zone During Typhoon, Frederick L.W. Tang, Chuen Sheng Yang and Shing S.T. Schluchter, HYUS:June 80:215
Modeling of Storm Drainage in a Coastal City, Jerome M. Normann, HYUS:June 80:108
Northeaster Model and Application to Coastal Flooding, Yun Jui Tsai, D. M. Crocker, T. J. Burda and Fang-Kuo Chou, HYUS:June 80:255
Opportunities and Problems in Planning the New Jersey Pinelands and Coastal Zone, John W. Sinton, CZ80:Nov 80:137
Perceiving the Unseen Value of Coastal Wetlands, James D. Sears, CZ80:Nov 80:484
Port Reception Facilities and the Coastal Zone, Henry S. Marcus, CZ80:Nov 80:1594
Potential Coastal-Zone Impacts of Alternative Ocean Energy Systems, Volker W. Harms and Nancy Gutshall, CZ80:Nov 80:947
Principles & Techniques for Special Area Management: The Grays Harbor & Coos Bay Experience, Gordon E. Davis, CZ80:Nov 80:761
Regional Coastal Zone Management Coordination: Dealing with Coastal Flooding on New England, Steven L. Colman, CZ80:Nov 80:1216
The San Diego Regional Coastal Access Study, Dennis A. Prescott, CZ80:Nov 80:1662
Science and Plans: California's Wetlands, Christopher P. Onuf, CZ80:Nov 80:1858
Second Moment—Inference Analysis Approach for Probability Evaluation of Storm Surges, Stergios A. Dendrou, Robert S. Taylor and Basile A. Dendrou, HYUS:June 80:23
Shuttle Diplomacy and the Other Side of Coastal Management, Louis C. Burney, CZ80:Nov 80:1002
Sitka Coastal Habitat Evaluation, Kimbal A. Sundberg, CZ80:Nov 80:514
South Padre Island Coastal Zone Management Study, W. G. Roeseler, CZ80:Nov 80:1645
Spectral Wave Set-up and Run-up, F. H.Y. Wu, J. Ian Collins and David J. Divoky, HYUS:June 80: 327
Stormwater Management In Coastal North Carolina, Neil S. Grigg, Alfred M. Duda and John Morris, HYUS:June 80:33
Striking the Balance in Energy Project Siting, Richard A. Du Bey, Cheryl R. Koshuta and Daniel I. Steinborn, CZ80:Nov 80:2135
Structures in the Beach Zone: To Be or Not to Be, Neill E. Parker, Preprint No.80-648, Oct 80, 8pp.
Sunset Cliffs Stabilization San Diego, California, Louis J. Lee and Walter Crampton, CZ80:Nov 80: 2271
Two Approaches to Coastal Area Planning in Japan, Harvey A. Shapiro, CZ80:Nov 80:741
Urban Storm Sewer Flows in Coastal Areas, Chintu Lai, HYUS:June 80:244
Urban Waterfront Revitalization Employing Visual Preference as a Strategy for Managing Visual Resources and Facilitating Public Participation, Thomas R. Hudspeth, CZ80:Nov 80:33
The Use of Synthetic Fabrics in Coastal Dune Stabilization, Donald K. Stauble, CZ80:Nov 80: 2190
Virginia Ports Workshop, Carvel H. Blair, PO80:May 80:248

Coastal Processes

Coastal Development at Nile Mediterranean Outlets, Ismail Mobarek and Joel M. Goodman, CZ80:Nov 80:724
Fall Velocity of Shells as Coastal Sediment, Ashish J. Mehta, Jieh Lee and Bent A. Christensen, HY11: Nov 80:1727:15795
Finite Element Analysis of Wave Transmission in A Coastal Channel with a Bell-Mouth Entrance, T. C. Gopalakrishnan and Jerry L. Machemehl, HYUS: June 80:125
Response to a Changing Coastal Environment, Kenneth C. Caldwell, CZ80:Nov 80:1228
Water Level Variations along California Coast, Raymond A. Smith and Robert J. Leffler, WW3: Aug 80:335:15614

Coastal Structures

Geotechnical Aspects of Rubble-Mound Coastal Structures, Donald D. Treadwell, Albert P. Ridley and Orville T. Magoon, PO80:May 80:801

Coast Guard

New Coast Guard Icebreakers for the Fourth Coast, Alan S. Gracewski, CZ80:Nov 80:624
Pollution Externalities—Who Pays?, Michael W. Christensen, CZ80:Nov 80:320

Coded Signals

Matrix Operations on Large Computers, Caleb W. McCormick, CP80:June 80:72

Codes

Alternate to ACI Analysis Coefficients, Richard W. Furlong and Carlos Rezende, ST11:Nov 79:2203: 14979
Computer Aided Design and the Corps of Engineers, Seymour Schneider, CP80:June 80:627
Development of Expectancy Maps and Risk Analysis, Neville C. Donovan, Bruce A. Bolt and Robert V. Whitman, ST8:Aug 78:1179:13972
Inelasticity of Reinforced Concrete and Structural Standards, M. Z. Cohn, ST11:Nov 79:2221:14985
Ontario Writes New Bridge Code, Michael J. Bartos, Jr., CE:Mar 79:56
Practical Bridge Code Calibration, Andrzej S. Nowak and Niels C. Lind, ST12:Dec 79:2497:15061
Probability Model for Design Live Loads, Philip L. Chalk and Ross B. Corotis, ST10:Oct 80:2017: 15753
The Rail-Highway Grade Crossing Program—A State's View, Robert E. Craven, HW80:Mar 80:124
Solution for Second-Moment Reliability Index, David B. Parkinson, EM5:Oct 78:1267:14094

Coefficient of Compressibility

Stress-Path Influence on Drained Deformations of Clay, Chitta R. Gangopadhyay, Subhas C. Das and Nitin N. Som, GT11:Nov 80:1243:15807

Coefficients

Friction Factors in Storm Surges over Inland Areas, Raymond Walton and Bent A. Christensen, WW2: May 80:261:15439
Laboratory Studies of Gas Tracers for Reaeration, Ronald E. Rathbun, D. W. Stephens, David J. Shultz and D. Y. Tai, EE2:Apr 78:215:13679
LRFD Criteria for Plate Girders, Peter B. Cooper, Theodore V. Galambos and Mayasandra K. Ravindra, ST9:Sept 78:1389:14012
Seismic Analysis of Fossil-Fuel Boiler Structures, T. Y. Yang and M. I. Baig, ST12:Dec 79:2511:15063

Side Weir in Rectangular Channel, Kittur G. Ranga Raju, Baidyanath Prasad and Sushil K. Gupta, HY5:May 79:547:14596
Soil Restraint Against Horizontal Motion of Pipes, Jean M.E. Audibert and Kenneth J. Nyman, GT10: Oct 77:1119:13303
Stochastic Generation of Annual Streamflows, R. Srikanthan and Thomas A. McMahon, HY12:Dec 80:2011:15935
Transverse Motion of Articulated Tower, Subrata K. Chakrabarti and Dennis C. Cotter, WW1:Feb 80:65: 15178
Wave Forces on Partially Submerged Cylinders, A. Graham Dixon, Clive A. Greated and Stephen H. Salter, WW4:Nov 79:421:14996

Cofferdams
Cellular Bulkheads and Cofferdams, Warren L. Schroeder and James K. Maitland, GT7:July 79: 823:14713

Cohesion
Lateral Pressure Development Under Surcharges, R. P. Joshi and R. K. Katti, SLS:June 80:227

Cohesionless Soils
Effects of Stress History on Deformation of Sand, James R. Lambrechts and Gerald A. Leonards, GT11:Nov 78:1371:14170
Liquefaction Of Soil During Earthquakes, S. Nemat-Nasser, EM81:Jan 81:376
Localized Scour Below Submerged Vertical Gates, Hilmi Dogan Altinbilek and Yakup Basmaci, HYCO:Aug 80:39
Re-Evaluation of Work Hardening Model, Erman Evgin and Zdenek Eisenstein, Preprint No.80-545, Oct 80, 14pp.

Cohesive Soils
Anisotropic Undrained Stress-Strain Behavior of Clays, Jean-Herve Prevost, GT8:Aug 78:1075: 13942
Case History: Concrete-Filled Steel Pipe Piles, David E. Thompson and John W. Critchfield, GTDF:80:444
Cubical Multiaxial Cell for Testing Cohesive Soils, Bruce E. Berends and Hon-Yim Ko, TN: GT1:Jan 80:106:15100
Minimizing Foundation Swell Potential in Yazoo Clay, James E. Laier and Joseph H. Lamar, SLS: June 80:421
Shallow Penetration of Marine Foundations, James D. Murff and Terrell W. Miller, Preprint No.80-527, Oct 80, 14pp.
Undrained Shear Tests on Clays, Jean-Herve Prevost, GT1:Jan 79:49:14311

Coking
Biological Oxidation of Coke Plant Effluent, Richard G. Luthy and Lisa D. Jones, TN: EE4:Aug 80:847: 15588

Cold Regions
Roofs in Cold Regions, Wayne Tobiasson, Preprint No.80-172, Apr 80, 21pp.
Wastewater Treatment for Cold Regions, Daniel W. Smith, Preprint No.80-172, Apr 80, 21pp.
A Winter City, Lloyd K. Clark and Amos J. Alter, Preprint No.80-172, Apr 80, 16pp.

Cold-Rolled Steel
Local Buckling of Cold-Formed Steel Members, Venkatakrishnan Kalyanaraman, ST5:May 79:813: 14578
Nonlinear Analysis of Cold-Formed Steel Shear Diaphragms, Erdal Atrek and Arthur H. Nilson, ST3:Mar 80:693:15257

Cold Weather Construction
Cold Weather Costs and Accidents, Enno Koehn and Dennis Meilhede, Preprint No.80-505, Oct 80, 18pp.
Transportation Planning for Southwest Alaska, Walter T. Downs, MGC:July 80:256
Use of Piling in Frozen Ground, Frederick E. Crory, Preprint No.80-172, Apr 80, 21pp.
Winter Roads and Ice Bridges, Ligouri M. Lefebvre, CE:Dec 79:54

Cold Weather Operations
Spray Application of Wastewater Effluent in a Cold Climate: Performance Evaluation of a Full-Scale Plant, E. Allan Cassell, Donald W. Meals, J. R. Bouzoun, C. James Martel and Wallace A. Bronson, EE80:July 80:620

Coliform Bacteria
Combined Sewer Overflow Controls for Boston Harbor, John R. Elwood, William F. Callahan and John A. Mueller, EE80:July 80:464
Control of Stormwater Runoff in a Rural Area, Pamela B. Katz, John A. Ripp and Deborah K. Martin, EE80:July 80:372
Modeling Storm Overflow Impacts on Eutrophic Lake, Paul L. Freedman, Raymond P. Canale and James F. Pendergast, EE2:Apr 80:335:15355
Unconfined Grazing and Bacterial Water Pollution—A Review, Everett P. Singer and Gerald F. Gifford, IRKB:July 80:578

Coliforms
Feasibility of Wastewater Treatment with Ferrate, Thomas D. Waite, EE6:Dec 79:1023:15030

Collapse
Divergent Flow in the Vicinity of a Breached Dam, Nikolaos D. Katopodes, HYCO:Aug 80:310
Hartford Coliseum Roof Collapse: Structural Collapse Sequence and Lessons Learned, Erling A. Smith and Howard I. Epstein, CE:Apr 80:59
Limit Analysis of Slabs with Free Edge, Kanakapura S. Subba Rao, N. Rangaiah and Balagolam V. Ranganatham, ST11:Nov 79:2419:14959
Mechanism Generation for Limit Analysis of Frames, Vernon B. Watwood, ST1:Jan 79:1:14315
Member Post-Buckling Behavior and Space Truss Progressive Collapse, Erling A. Smith, Preprint No.80-665, Oct 80, 13pp.
Progressive Collapse in the Hartford Space Truss, Erling A. Smith and Howard I. Epstein, Preprint No.80-062, Apr 80, 13pp.
Shakedown under Elastic Support Conditions, Irving J. Oppenheim, ST7:July 80:1417:15536
Shallow Penetration of Marine Foundations, James D. Murff and Terrell W. Miller, Preprint No.80-527, Oct 80, 14pp.
Tapered Steel Beams Loaded within Tip, Gwynne Davies and Satya Narayan Mandal, ST3:Mar 79: 589:14453
West Virginia Cooling Tower Collapse Caused by Premature Form Removal, Hai S. Lew, CE:Feb 80: 62

Collapsible Soils
Construction of a Large Canal on Collapsing Soils, Paul C. Knodel, Preprint No.80-141, Apr 80, 28pp.
Design Considerations and Evaluation Methods for Collapsible Soils, Samuel P. Clemence and Albert O. Finbarr, Preprint No.80-116, Apr 80, 22pp.

Collective Bargaining
Bargaining with the "Professional" Union, Victor W. Korf, Preprint No.80-015, Apr 80, 15pp.
Impact of a Collective Bargaining Contract, Russel C. Jones, EI3:July 80:241:15560
Professional Alternative to Collective Bargaining, Frederic L. Blum, EI2:Apr 79:77:14514
Public Engineers—Why the Least Happy Category of Civil Engineers?, Kneeland A. Godfrey, Jr., CE: Mar 80:86
Union Challenges to Methods Improvement Programs, H. Randolph Thomas, Jr. and Mason P. Holland, CO4:Dec 80:455:15876

Collision Models
Studying Route Structures in the Pacific, A. C. Busch and R. Woodruff, MGC:July 80:55

Collisions
Bridge Pier Protective Systems, R. T. Mancill, Jr. and K. N. Derucher, PO80:May 80:778
A New Type of Single Point Mooring: "Proud", Rene Loire, PO80:May 80:369
Railroad Highway Grade Crossing Program: Railroad View, Frederick J. Kull, HW80:Mar 80:130

Color
Field Study for Landsat Water Quality Verification, Donald Steven Graham and J. M. Hill, AS80:Aug 80:101

Colorado
A Baseflow Simulation Model, Susan E. Hogg, Anton G. Thompson and W. David Striffler, IRKB:July 80:755
A Geographic Information System for a Rural County, W. Kent Crowder, SU80:June 80:74
GEOTRACK Model for Railroad Truck Performance, Ching S. Chang, Clement W. Adegoke and Ernest T. Selig, GT11:Nov 80:1201: 15819
Land Use and Water System Planning, A. Lee Cesario, SU80:June 80:153
Simulation Model for Open Pit Mine Dewatering, Catherine Kraeger-Rovey, HYCO:Aug 80:107
Spatial Simulation of Snow Processes, Anton G. Thomsen and W. David Striffler, IRKB:July 80:326
Vail Pass Highway—Respecter of Mountain Ecology, CE:June 80:70

Colorado River
Competition of Energy for Agricultural Water Use, A. Bruce Bishop and Rangesan Narayanan, IR3: Sept 79:317:14838
Energy-Water-Salinity: Upper Colorado River Basin, Marshall Flug, Wynn R. Walker and Gaylord V. Skogerboe, WR2:Sept 79:305:14844
Geomorphic Indices of Hydrologic Characteristics, R. B. White and Richard H. Hawkins, IRKB:July 80: 54
Irrigation Management for River-Salinity Control, J. Paul Riley and Jerome J. Jurinak, IR4:Dec 79:419: 15023
Let's Look at Some Legal Implications of Streamflow Forecasting, Thomas M. Stetson, EFHYF:Mar 79: 312
Multimillion-Acre Tea Bag, George Svenson, CE:Feb 80:47
Optimization of Salinity Control in Grand Valley, Wynn R. Walker, Gaylord V. Skogerboe and Robert G. Evans, IR1:Mar 79:15:14455

Color Infrared Photography
Aerial Infrared Sensing Systems and Techniques, Fred A. Schmer and Darrell R. Hause, ASDC:80: 244
Areawide Soil Loss Predictions Using CIR Airphotos, Ken M. Morgan and Randolph Nalepa, AS80:Aug 80:24
Coal, Wildlife and Remote Sensing, James R. Getter, ASDC:80:198
Monitoring Noxious Plant Spread in Reservoirs, Arthur R. Benton, Jr., ASDC:80:21
Salinity Assessment at Kerang, W. Trewhella, ASDC: 80:206
Sanitary Landfill Site Selection by Remote Sensing, Jerry R. Rogers, William J. Graff, Larry J. Stone, C. H. Tsen and S. S. Yang, ASDC:80:92
Subsurface Coal Refuse Bank Fire Delineation, Ronald W. Stingelin, ASDC:80:268
Uses of Small Format Aerial Photography, R. H. Kinsey, ASDC:80:63

Color Perception
Geographic Information Systems: The ODYSSEY Project, Eric Teicholz, SU1:Nov 80:119:15833

Color Photography
Coal, Wildlife and Remote Sensing, James R. Getter, ASDC:80:198
Remote Sensing and Mine Subsidence, Orville R. Russell, Roger V. Amato and Thomas V. Leshendok, TE2:Mar 79:185:14467

Color Scanning
Remote Sensing Sensors for Environmental Studies, B. Sen Mathur, TE4:July 79:439:14707

Columbia River
Baker Bay Circulation by Mathematical Modeling, John A. Roberson, Howard D. Copp and Bijayananda Naik, Preprint No.80-068, Apr 80, 15pp.
BPA Hydrologic Forecasting Considerations and Action During the 1976-77 Drought, William R. Gordon, C. H. Watkins and R. C. Lamb, EFHYF: Mar 79:274
The Columbia River Estuary Data Development Program, Robert J. Moulton, Preprint No.80-066, Apr 80, 18pp.
The Columbia River Estuary Data Development Program, Gary Lawley, Robert J. Moulton and David H. Kent, CZ80:Nov 80:1159
Columbia River Operational Hydromet Management System (CROHMS), Douglas D. Speers, ASDC:80: 337
Drainage Water Reuse on the Columbia Basin Project, Charles A. Neumann, Preprint No.80-095, Apr 80, 18pp.
Drain Construction on The Columbia Basin Project, Richard Jack Christopher and Keith Campbell, IRKA:July 80:280
Interstate I-205 Columbia River Bridge, Fred P. Blanchard and Marvin E. Parala, Preprint No.80-077, Apr 80, 16pp.
I-205 Columbia River Bridge Design and Construction, Fred P. Blanchard, Preprint No.80-554, Oct 80, 11pp.
A Stochastic Model of the Lower Snake River, Richard S. Watt, Preprint No.80-013, Apr 80, 24pp.
Substructure Construction Methods — I-205 Columbia River Bridge, Robert B. Bittner, Preprint No.80-027, Apr 80, 22pp.
Survey Control for I-205 Columbia River Bridge, John D. Howard, Preprint No.80-058, Apr 80, 14pp.

Columns
Earthquake And Ambient Response Of EL Centro County Services Building, Gerard C. Pardoen, Gary C. Hart and Barrett T. Bunce, EM81:Jan 81:164
Eccentrically Loaded Elastically Supported Columns, R. Richard Avent, TN: ST12:Dec 80:2547:15874
Strength and Ductility of Tied Concrete Columns, Shamim A. Sheikh and Suzru M. Uzumeri, ST5: May 80:1079:15388

Columns (Supports)
Accuracy of Composite Section Nonlinear Solutions, Luc Lachance and Clifford O. Hays, Jr., ST11:Nov 80:2203:15801
Analysis of Fabricated Tubular Columns, Shouji Toma and Wai F. Chen, ST11:Nov 79:2343:14994
Biaxial Bending Simplified, Himat T. Solanki, TN: ST5:May 80:1198:15384
Brace Forces in Interbraced Column Structures, Ian C. Medland and Cecil M. Segedin, ST7:July 79: 1543:14698
Buckling of Bars with Variably Positioned Supports, Raymond Parnes, TN: EM2:Apr 80:411:15303
Buckling of Space Stayed Columns, Ibrahim A. Hathout, Murray C. Temple and John S. Ellis, ST9: Sept 79:1805:14852
Column Base Plates with Axial Loads and Moments, John T. DeWolf and Edward F. Sarisley, ST11:Nov 80:2167:15823
Column Response to Horizontal-Vertical Earthquakes, Y. K. Lin and Teng-Yuan Shih, EM6: Dec 80:1099:15896
Composite Beams under Cyclic Loading, Jagmohan L. Humar, ST10:Oct 79:1949:14897
Composite Columns Under Sustained Load, Russell Q. Bridge, ST3:Mar 79:563:14442

Computing Unidimensional Normal Stress Resultants, Joaquin Marin, ST1:Jan 80:233:15145
Concrete Filled Structural Plastic Columns, Carl E. Kurt, ST1:Jan 78:55:13478
Cross-Bracing Design, John T. DeWolf and Joseph F. Pelliccione, ST7:July 79:1379:14680
Cyclic Inelastic Buckling of Thin Tubular Columns, Egor P. Popov, Victor A. Zayas and Stephen A. Mahin, ST11:Nov 79:2261:14982
Cyclic Response Prediction for Braced Steel Frames, Bruce F. Maison and Egor P. Popov, ST7:July 80: 1401:15534
Elastic Instability of Unbraced Space Frames, Zia Razzaq and Moossa M. Naim, ST7:July 80:1389: 15535
End Restraint and Column Stability, Wai F. Chen, ST11:Nov 80:2279:15796
Fabricated Tubular Steel Columns, David A. Ross, Wai F. Chen and Lambert Tall, ST1:Jan 80:265: 15122
Factors Influencing Frame Stability, Charles Birnstiel and Jerome S.B. Iffland, ST2:Feb 80:491:15196
High Rise Building Column Design, Jerome S.B. Iffland, ST9:Sept 78:1469:14027
Influence of Semi-Rigid Joints on Steel Column Behavior, Stephen W. Jones, Patrick A. Kirby and David A. Nethercot, Preprint No.80-179, Apr 80, 22pp.
Lateral Loads on Power Boilers, Hugh W. Hempel, EY2:Aug 79:241:14751
Laterally Loaded Timber Columns, Hans J. Larsen and Esko Theilgaard, ST7:July 79:1347:14679
Lime Columns—A New Foundation Method, Bengt B. Broms and Per Boman, GT4:Apr 79:539:14543
Macaulay's Method: A Generalization, TN: EM3: June 79:459:14603
New Interaction Equation for Steel Beam-Columns, Francois Cheong-Siat-Moy, ST5:May 80:1047: 15422
Nonlinear Creep Buckling of Reinforced Concrete Columns, Zdenek P. Bazant and Tatsuya Tsubaki, ST11:Nov 80:2235:15811
Optimal Design for Stability under Multiple Loads, Hari K. Turner and Raymond H. Plaut, EM6:Dec 80:1365:15946
Optimum Seismic-Resistant Design of R/C Frames, Stan Zagajeski Zagakesli and Vitelmo V. Bertero, ST5:May 79:829:14583
Pretensioning of Single-Crossarm Stayed Columns, H. H. Hafez, Murray C. Temple and John S. Ellis, ST2:Feb 79:359:14362
Static Behavior of Beam-to-Column Moment Connections, Wai F. Chen and K. V. Patel, Preprint No.80-179, Apr 80, 24pp.
Tests of Beam-to-Column Web Connection Details, Glenn P. Rentschler, Wai F. Chen and George C. Driscoll, Preprint No.80-179, Apr 80, 20pp.

Combined Sewers

Calculating Overflows from Combined Sewer Systems, Kirke E. Larson, EE5:Oct 79:829:14883
A Cheap Solution to Pollution from Combined-Sewer Overflows, CE:Nov 79:83
Combined Sewer Overflow Controls for Boston Harbor, John R. Elwood, William F. Callahan and John A. Mueller, EE80:July 80:464
Environmental Case History of an Ocean Outfall, Noel J. Williams, Richard B. Meighan, Donald D. Treadwell and George J. Murphy, CZ80:Nov 80: 703
EPA Research in Urban Stormwater Pollution Control, Richard Field, HY5:May 80:819:15389
Modeling Combined Sewer Storage Alternatives, Gregory L. Shahabian, Anthony J. Graham and George E. Kamedulski, EE80:July 80:480
Modeling Storm Overflow Impacts on Eutrophic Lake, Paul L. Freedman, Raymond P. Canale and James F. Pendergast, EE2:Apr 80:335:15355
Optimal Control of Unsteady Combined Sewer Flow, John W Labadie, Dennis M. Morrow and Yung Hai Chen, WR1:Mar 80:205:15233
San Francisco Ocean Outfall Port Valve Development, Loring E. Hanson, Henry H.C. Lin, Allen L. Davis, John S. Readshaw and Robert T. Hudspeth, HYCO:Aug 80:51
Stormwater Interception and Storage, Dominic M. Di Toro and Mitchell J. Small, EE1:Feb 79:43:14368
Storm Water Treatment with Minor Plant Alterations, George R. Brower, Robert H. Brotherton and John B. Kincaid, EE80:July 80:472
SWMM Application to Combined Sewerage in New Haven, Joseph A. Cermola, Sergio DeCarli, Dev R. Sachdev and Hassan M. El-Baroudi, EE6:Dec 79: 1035:15042
Urban Stormwater/Combined Sewage Management and Pollution Abatement Alternatives, Richard P. Traver, Preprint No.80-614, Oct 80, 14pp.
Water Resources for Chicago — History and Furure, Forrest C. Neil and Frank E. Dalton, WR1:Mar 80: 173:15269

Combined Stress

Combined-Load Buckling of Orthotropic Skew Plates, John B. Kennedy and Madanapalli K. Prabhakara, EM1:Feb 79:71:14363
Constitutive Model for Short-Time Loading of Concrete, Niels Saabye Ottosen, EM1:Feb 79:127: 14375
Interactive Strength of Two Structural Parameters, Raymond M.L. Ting, ST2:Feb 80:463:15197
Plastic Design under Combined Stresses, Donald E. Grierson and Ahmed A. Aly, EM4:Aug 80:585: 15606

Combustion

Environmental Aspects of Utility AFBC Design, Robert E. Curtis and P. Stanley Dzierlenga, EY2: Oct 80:131:15739

Commercial Shellfish

Maryland's Coastal Fisheries Program: An Overview, Mark M. Bundy, CZ80:Nov 80:931

Commodity Management

Modeling for a Freight Transport Planning System, Yi-Chin Hu and Ralph D. Johnson, CP80:June 80: 497

Communication

Effects of Planning, Scheduling, and Communicating on Crew Productivity, R. Court Olson, Preprint No.80-576, Oct 80, 7pp.
Impact of Education & Communication on Productivity, Bill W. Klotz, EI1:Jan 78:35:13464
An Operational Data Acquisition System Using Meteor Burst Technology, Manes Barton and Michael Burke, ASDC:80:346
Project Management: "People Communication" bests "CPM Communication", CE:Jan 80:98
Translating Problem-Oriented Languages, Daniel R. Rehak and Leonard A. Lopez, TC1:Apr 79:33: 14504
What Has the U.S. Gotten Out of the Space Program?, Eugene E. Dallaire, CE:July 79:71
Workers as Managers Boost Productivity, Ann E. Seltz-Petrash, CE:Oct 80:121

Communication Cables

Telecommunications After Earthquakes, J. W. Foss and J. D. Scobee, C080:80:134

Communication Equipment

Telecommunications After Earthquakes, J. W. Foss and J. D. Scobee, C080:80:134

Communication Satellites

Telecommunications After Earthquakes, J. W. Foss and J. D. Scobee, C080:80:134

Communication Systems

Establishing a Company Computer Network, Glenn S. Orenstein, TC2:Dec 79:363:15080
Lifeline Economics and Hazard Mitigation, Le Val Lund, C080:80:78

Community Goals
Construction Productivity Factors, Altaf Hussain, EI4:Oct 79:189:14879

Community Relations
Principles of Public Involvement, Karl F. Schmid, UP1:May 78:1:13728

Community Support
Remote Sensing that Motivated Community Action, Roland H. Brownlee, James P. Scherz and James M. Dennis, AS80:Aug 80:60

Commuting Patterns
What Happens to Cities When the Gas Runs Out?, Lawrence C. Cooper, CE:Aug 79:71

Compacted Soils
Soaked Strength of Laboratory Compacted Clay, James C. Scott, Adolph G. Altschaeffl and Charles William Lovell, GT11:Nov 79:1273:14987

Compactibility (Soils)
Analysis of Soil Compactibility by Rollers, Raymond N.Y. Yong and E. A. Fattah, Preprint No.80-646, Oct 80, 14pp.

Compaction
Compaction Effects on Hydraulic Failure Gradients, Lyman S. Willardson and Manuel J. Batista, IRKA: July 80:140
Compaction of Dry or Fluid-Filled Porous Materials, Michael M. Carroll, EM5:Oct 80:969:15773
Densification of Loose Deposits by Pounding, Robert G. Lukas, GT4:Apr 80:435:15376
Dynamic Compaction of Granular Soils, Gerald A. Leonards, William A. Cutter and Robert D. Holtz, GT1:Jan 80:35:15144
Dynamics of Vibratory-Roller Compaction, Tai-Sung Yoo and Ernest T. Selig, GT10:Oct 79:1211:14907
Engineering Properties of Soil-Lime Mixes, Mohamed M. Aly Sabry and James V. Parcher, TE1:Jan 79:59:14278
Nuclear Testing of Utility Trench Backfill, Vincent J. Perricelli, CE:Nov 79:68

Compaction (Soils)
Retainining Wall Performance during Backfilling, Terrence S. Ingold, GT5:May 79:613:14580
Shear Strength and Swelling of Clays Under Suction, Amos Komornik, Moshe Livneh and S. Smucha, SLS:June 80:206

Compaction Equipment
Retainining Wall Performance during Backfilling, Terrence S. Ingold, GT5:May 79:613:14580

Compatibility
Inelasticity of Reinforced Concrete and Structural Standards, M. Z. Cohn, ST11:Nov 79:2221:14985

Compensation
Guidelines for Successful Construction Management, Donald S. Barrie, CO3:Sept 80:237:15686

Competition
Improved Local Resource Allocation, Jack L. Jensen, UT79A:July 79:179

Competitive Bidding
Comparison of Friedman and Gates Competitive Bidding Models, Neal B.H. Benjamin and Richard C. Meador, CO1:Mar 79:25:14408
Competitive Bidding for A/E Services—Why Not?, Kenneth C. Giberson, EI1:Jan 80:45:15117
Contractual Arrangements—B, John P. Gnaedinger, CRLS:Jan 79:II-95
Is Competitive Price Bidding for Professional Services Practical?, Alice Tulloch, EI1:Jan 80:57:15120
Minimizing Risks and Mitigating Losses—C, Joe B. McNabb, CRLS:Jan 79:II-138
An optimum Bid Approximation Model, Paul Sugrue, CO4:Dec 80:499:15885

Complementary Energy Methods
Cap Model Guided By Energy Concept, Shoji E. Yamada and Ahmed S. Abou-Sayed, GT2:Feb 79:183:14384

Compliance
Evaluation of Fracture Techniques in Cementitious Composites, K. Visalvanich and Antoine E. Naaman, FIC:Oct 80:65
A Plastic-Fracture Model for Concrete, S. S. Hsieh, Edward C. Ting and Wai F. Chen, FIC:Oct 80:50
Resistance to Crack Growth in Portland Cement Composites, Methi Wecharatana and Surendra P. Shah, FIC:Oct 80:82

Composite Beams
Composite Beams under Cyclic Loading, Jagmohan L. Humar, ST10:Oct 79:1949:14897
Composite Beams with Web Openings, Stuart E. Swartz and Krigo S. Eliufoo, TN: ST5:May 80:1203:15384
LFD Criteria for Composite Steel I-Beam Bridges, Conrad P. Heins, ST11:Nov 80:2297:15803
Temperature Distributions in Composite Bridges, Jack H. Emanuel and J. Leroy Hulsey, ST1:Jan 78:65:13474

Composite Fabrication
Continuous Composite-Bridge Model Tests, Paul W. Botzler and James Colville, ST9:Sept 79:1741:14824

Composite Materials
Analysis of Ring Loaded Laminated Plastic Cylindrical Shells, Daryl L. Logan and G. E.O. Widera, Preprint No.80-573, Oct 80, 14pp.
Composite Masonry: Research Needs, Joseph A. Wintz, III and Alan H. Yorkdale, Preprint No.80-584, Oct 80, 11pp.
Cross-Ply Elliptic Plates of Bimodulus Material, Sandra K. Kincannon, Charles W. Bert and V. Sudhakar Reddy, ST7:July 80:1437:15537
Cylindrical Shells of Bimodulus Composite Material, Charles W. Bert and V. Sudhakar Reddy, Preprint No.80-623, Oct 80, 13pp.
A Finite Element Model for Composite Masonry, Subhash C. Anand and David T. Young, Preprint No.80-526, Oct 80, 16pp.
Graded and Perfect Disorder in Random Media Elasticity, Ekkehart Kroner, EM5:Oct 80:889:15754
Nonlinear Deformation of Fabric/Foam Composites, S. S. Wang and Alvin Smith, Preprint No.80-572, Oct 80, 18pp.
Self-Consistent Techniques for Heterogeneous Media, Michael P. Cleary, I-Wei Chen and Shaw-Ming Lee, EM5:Oct 80:861:15769
Stress Concentrations in Bonded Multi-Layer Cylindrical Shells, Umur Yuceoglu and Dean P. Updike, Preprint No.80-656, Oct 80, 10pp.
Stub Girders Cut Steel Use, CE:Oct 79:70

Composite Structures
Accuracy of Composite Section Nonlinear Solutions, Luc Lachance and Clifford O. Hays, Jr., ST11:Nov 80:2203:15801
Composite Beam Criteria in LRFD, William Charles Hansell, Theodore V. Galambos, Mayasandra K. Ravindra and Ivan M. Viest, ST9:Sept 78:1409:14005
Composite Columns Under Sustained Load, Russell Q. Bridge, ST3:Mar 79:563:14442
The Concrete Canoe: A Technological Challenge, John Rinaldo and David B. Clayman, CE:Mar 80:74
Cross-Ply Elliptic Plates of Bimodulus Material, Sandra K. Kincannon, Charles W. Bert and V. Sudhakar Reddy, ST7:July 80:1437:15537
Damping Of A Floor Sample, Johann H. Rainer and Gerald Pernica, EM81:Jan 81:859
Design of Composite Prestressed Concrete Beams, David S. Hatcher, ST1:Jan 79:185:14298

Design of Plastics Structural Components: Proposed ASCE Manual, Frank J. Heger, Richard E. Chambers and Albert G.H. Dietz, TC2:Dec 79:429:15025
Exact Analysis of Unsymmetric Laminated Beam, K. M. Rao and B. G. Ghosh, ST11:Nov 79:2313:14983
Fatigue Experiments on Composite Slab Floors, Murray C. Temple and George Abdel-Sayed, ST7:July 79:1435:14676
Flexure of Laminated Beams, I. K. Silverman, ST3:Mar 80:711:15293
Imperfectly Bonded Unsymmetric Laminated Beam, K. M. Rao and B. G. Ghosh, EM4:Aug 80:685:15623
Minimum Weight Design, Ernest E. Nester and Furman W. Barton, Preprint No.80-503, Oct 80, 13pp.
New Aluminum Structural Materials for the 1980's, William F. Bates, Jr., TE6:Nov 80:845:15859
Partial Composite Action in Diaphragms, Rafik Y. Itani and Girish S. Hiremath, EM4:Aug 80:739:15624
Strength of Composite Beams with Web Openings, David M. Todd and Peter B. Cooper, ST2:Feb 80:431:15179
Two-Way Flexure of Steel-Deck-Reinforced Slabs, Charles R. Kubic and J. Hartley Daniels, ST6:June 79:1039:14633

Composting
Biological Drying of Sewage Sludge—A New Composting Process, F. C. Miller, S. T. McGregor, M. S. Finstein and J. Cirello, EE80:July 80:40

Composts
Biological Drying of Sewage Sludge—A New Composting Process, F. C. Miller, S. T. McGregor, M. S. Finstein and J. Cirello, EE80:July 80:40

Compressibility
Foundation Performance of Tower of Pisa, James K. Mitchell, Vitoon Vivatrat and T. William Lambe, GT3:Mar 77:227:12814
Static Deformation of Rock, Joseph B. Walsh, EM5:Oct 80:1005:15761

Compressibility (Soils)
Field Studies of Airport Pavements on Expansive Clay, R. Gordon McKeen, SLS:June 80:242
Loading Rate Effects on Compressibility of Sand, John G. Jackson, Jr., John Q. Ehrgott and Behzad Rohani, GT8:Aug 80:839:15640

Compression
Linear Programming Solution to Network Compression, Srilal Perera, CO3:Sept 80:315:15680
Shear Strength of Concrete Masonry Joints, Ahmad A. Hamid, Robert G. Drysdale and Arthur C. Heidebrecht, ST7:July 79:1227:14670

Compression Index
Universal Compression Index Equation, Oswald Rendon-Herrero, GT11:Nov 80:1179:15829

Compressive Strength
Testing Concrete in Place, Michael J. Bartos, Jr., CE:Oct 79:66

Compressors
Measured Response of Pile Supported Machines, Gerald M. Diaz, GTDF:80:75

Computation
Channel Flow Computations Using Characteristics, Kathirithamby Sivaloganathan, HY7:July 79:899:14717
Corrugated Shear Diaphragms, Kinh H. Ha, ST3:Mar 79:577:14449
Efficient Simulation of Nonlinear Steady Flow, Gary C. Niemeyer, HY3:Mar 79:185:14420
Flood Routing by Characteristic Methods, Kathirithamby Sivaloganathan, HY7:July 78:1075:13866
Heat Conduction in Plates by Finite Strip Method, Satyananda Chakrabarti, EM2:Apr 80:233:15328
Improved Stability of Dronkers' Tidal Schemes, Guus S. Stelling, HY8:Aug 80:1365:15660
Introductory Comments Data Base Systems, Bruce B. Schimming, CP80:June 80:635
Long Wave Model Independent of Stability Criteria, Gary C. Niemeyer, WW1:Feb 79:51:14345
Noncomputer Optimization of Single-Source Networks, Pramod R. Bhave, EE4:Aug 78:799:13956
Optimal Reliability Analysis by Fast Convolution, Niels C. Lind, EM3:June 79:447:14648
Plotter Applications in Highway Design, William T. Till, TC1:Apr 79:239:14539
Recommended Procedure for Computer Selection, J. Crozier Brown, TC2:Dec 79:319:15071
Seismic Analysis of Fossil-Fuel Boiler Structures, T. Y. Yang and M. I. Baig, ST12:Dec 79:2511:15063
Simplified Diurnal Curve Analysis, John B. Erdmann, EE6:Dec 79:1063:15026
Slurry Pipeline Design with Geometric Programming, Steven M. Rasey and Robert R. Faddick, TE6:Nov 80:815:15841
Three-Dimensional Densification for Local Control, Narendra K. Saxena and Alan P. Vonderohe, SU1:Nov 78:63:14129
Transient Reservoir-Aquifer Interaction, Antonis D. Koussis, HY6:June 79:637:14630
User Conveniences in Application Programs, Jean-Jacques Jonatowski, TC1:Apr 79:43:14489

Computer Analysis
Computer Analysis of Hydrologic Time Series, Jose D. Salas and Ricardo A. Smith, CP80:June 80:305
Computer Geographic Base Files for Sanitary Sewers, Christina R. Palmerlee, Thomas M. Palmerlee and Dyan C. Conway, CP80:June 80:295
Microcomputer Analysis and Design of R/C Structures, James C. Anderson and Farzad Naeem, Preprint No.80-622, Oct 80, 14pp.
Research Needs in Structural Engineering, CE:Dec 79:61

Computer Applications
Administrative Computer Utilization in Engineering, Donald L. Bartlett, Preprint No.80-043, Apr 80, 19pp.
Application of a Graphics-Oriented Building Design System, M. M.E. Jeffries and M. R. Dyer, CP80:June 80:16
The Attributes of Computer Relative to Cost Engineering, Newton F. True, Preprint No.80-537, Oct 80, 14pp.
Automated Suspension Bridge Analysis by Symmetry, Harold Samelson and Harold T. Fink, CP80:June 80:484
C A D A E (Computer Aided Design & Engineering), Donald R. Johnston, SU80:June 80:193
Calgary's Computer Mapping & Geographic Referencing, R. G. Conway and E. Bert Piepgrass, SU80:June 80:59
Columbia River Operational Hydromet Management System (CROHMS), Douglas D. Speers, ASDC:80:337
Composite Water Movement in a Sloping Phosphate Mine Dump, Roland W. Jeppson and Eugene E. Farmer, IRKB:July 80:855
Computer Aids for the Organization of Standards, James Robert Harris and Richard N. Wright, CP80:June 80:112
Computer Applications Bridge Inventory and Inspection Program, Avanti C. Shroff, CP80:June 80:471
Computer Applications in Geotechnical Engineering, M. S. Aggour, CP80:June 80:213
Computer Assisted Instruction in Civil Engineering, Harold Goldstein, Preprint No.80-074, Apr 80, 22pp.
Computer Controlled Physical Model of the Sacramento River, Jaime Amorocho, William J. Hartman and Johannes J. DeVries, HYCO:Aug 80:451

Computer Controlled Seismic Performance Testing, Stephen A. Mahin and Mary E. Williams, EM81: Jan 81:616
Computerizing Public Works Design, Ann E. Seltz-Petrash, CE:May 80:76
Computer Mapping in a Catchment Land Use Study, Kerry Michael Rosenthal, ASDC:80:224
The Computer Service Bureau: What Role Today?, Michael P. Ingardia, CE:Apr 79:76
Computers in Civil Engineering Undergraduate Education, Robert John Craig, CP80:June 80:419
A Data Base System for Real Time Hydrologic Modeling, Robert M. Ragan and Jack D. Fellows, AS80:Aug 80:33
Development of a Dynamic Stormwater Management System, Peter E. Manz, HYUS:June 80:163
Developments in Motor Vehicle Inspection/Maintenance, Thomas Cackette, Philip Lorang and David Hughes, CAAA:Nov 79:76
Distributed Processing, John A. Swanson, Preprint No.80-052, Apr 80, 26pp.
Effective Utilization of Computer-Aided Design, Thomas H. Wenzel, CP80:June 80:401
Engineering Software Selection Criteria, Peter F. Zoll, CP80:June 80:67
An Engineering View of CAMRAS, William Bathke, SU80:June 80:233
A/E Use of Computer Aids on Federal Projects, Ronald L. King, CP80:June 80:562
Finite Element Studies of Collecting Plate Systems, Dennis A. Nagy and David P. Billington, ST6:June 79:1103:14650
Geographic Information Systems, William E. Gates and Richard J. Heil, SU1:Nov 80:105:15826
History of Computer Graphics in the U.S. Army Corps of Engineers, Harry F. Hardin and James M. Jones, II, CP80:June 80:10
History of NICE, Inc., John H. Carman, Preprint No.80-602, Oct 80, 6pp.
Interactive Graphics: Stage II Special Applications, James O. Howell and David F. Sinton, SU80:June 80:54
Intergrated Computer-Aided Design Using Minicomputers, Olaf O. Storaasli, Preprint No.80-672, Oct 80, 15pp.
Introductory Comments Data Base Systems, Bruce B. Schimming, CP80:June 80:635
Land Records: Costs, Issues and Requirements, James L. Clapp and Bernard J. Niemann, Jr., SU80: June 80:1
Land Use and Water System Planning, A. Lee Cesario, SU80:June 80:153
Manpower Management - A Data Base Application, Edward W. Fishback, Jr., CP80:June 80:651
Matrix Operations on Large Computers, Caleb W. McCormick, CP80:June 80:72
Means Computerized Data Base and Estimating System, Robert S. Godfrey, Preprint No.80-550, Oct 80, 14pp.
Minicomputers in Full-Scale Structural Testing, Suresh G. Pinjarkar and Otto C. Guedelhoefer, TC1:Apr 79:103:14497
Mini-Computers in Structural Optimum Design, Bogdan O. Kuzmanovic and Nicholas Willems, Preprint No.80-556, Oct 80, 12pp.
Moreton Region Non-Urban Land Use Study, Robert Cormack, ASDC:80:233
Not For Computer People Only—APL In Universities, Morton D. Sinkoff, CP80:June 80:424
Plan Better Irrigation Systems With IMS Techniques, Gordon LyFord and Monte McVay, IRKA:July 80: 243
Port Throughput Study Using Simulation Technique, Alan F. Daniell and Mahendrakumar R. Vora, PO80:May 80:282
A Problem Identification and Evaluation System, David B. Brown, HW80:Mar 80:61
Quantifying Hazards Information for Lifelines, Jeanne B. Perkins, C080:80:34
Sensitivity Analyses of Wastewater Treatment Plant Design Parameters, Karl G. Voelkel and Lawrence B. Polkowski, EE80:July 80:307
Simulation of Construction Operations, Leland S. Riggs, TC1:Aug 80:145:15628
Software for Analysis of Standards, Steven J. Fenves, CP80:June 80:82
A Specialized Processor for Structural Analysis, George R. Cameron, CP80:June 80:267
Structural Analysis on Microcomputers, Craig M. Bennett, Jr. and Barry J. Goodno, CP80:June 80: 488
Structural Computer Office Practice, S. B. Vora and Lin Y. Huang, CP80:June 80:604
A Survey of Cadd in Engineering Practice (Abstract), Richard L. Bland, CP80:June 80:15
Techniques For The Generation of Long Streamflow Sequences, K. M. Leytham and Delbert D. Franz, EFHYF:Mar 79:20
Urban Runoff Management: Future Modeling, Harry C. Torno, TC1:Aug 80:165:15626
Use of Computers by Federal Construction Agencies, Louis H. Klotz, CP80:June 80:578
The Use of Computers in Earthquake Engineering, Wayne W.H. Chen and M. Chatterjee, CP80:June 80:197
User-Oriented Programming, Christian Meyer, CP80: June 80:58
USGS Digital Cartographic Applications Program, Robert B. McEwen, SU1:Nov 80:13:15846
WAMS: A Computer-Based Mapping and Data Base Management System, Harry A. Niedzwaiadek and George R. Hoffman, ASDC:80:359
3-D Nonlinear Dynamic Analysis of Stacked Blocks, Kiyoshi Muto, Hiromoto Takase, Kiyomi Horikoshi and Hiromichi Ueno, EM81:Jan 81:917

Computer Controlled Signals

Microprocessor Traffic Controllers, Joseph Roehl, CP80:June 80:548

Computer Graphics

ADAPT: The Use of Complex Models with a Geographic Data Base, Richard M. Males, SU80: June 80:215
Algorithms for Interactive Structural Analysis, Yehonathan Hazony and Lawrence E. Zeidner, CP80:June 80:257
Application of a Graphics-Oriented Building Design System, M. M.E. Jeffries and M. R. Dyer, CP80: June 80:16
C A D A E (Computer Aided Design & Engineering), Donald R. Johnston, SU80:June 80: 193
CAD System Developed by Urban Design Firm, Harvey H. Liss, CP80:June 80:619
Calgary's Computer Mapping & Geographic Referencing, R. G. Conway and E. Bert Piepgrass, SU80:June 80:59
Computer-Aided Design and Drafting for Small Engineering Firms, Ann E. Seltz-Petrash, CE:Feb 80:56
Computer-Aided Design in the Corps, N. Radhakrishnan, CP80:June 80:571
Computer Geographic Base Files for Sanitary Sewers, Christina R. Palmerlee, Thomas M. Palmerlee and Dyan C. Conway, CP80:June 80:295
Computer Graphics as a Teaching Aid, J. T. Scardina, V. Nopratvarakorn and George R. Buchanan, CP80:June 80:430
Computer Graphics in Education: A Case Study, Michael J. O'Rourke, Robert U. Johnson and Larry J. Feeser, CP80:June 80:450
Computer Mapping in a Catchment Land Use Study, Kerry Michael Rosenthal, ASDC:80:224
Computer Software for Grand Coulee Stabilization, David W. Harris, CP80:June 80:230
Data Management for a Metroplex, Kenneth B. Strange and S. E. Mangum, Jr., SU80:June 80:202
Data Management Using Computers and CRT Displays, Allen F. Flanders, MGC:July 80:343
An Engineering View of CAMRAS, William Bathke, SU80:June 80:233
Geographic Information Systems: The ODYSSEY Project, Eric Teicholz, SU1:Nov 80:119:15833
The GLIDE Language for CAD, Charles M. Eastman and Max Henrion, TC1:Aug 80:171:15659

History of Computer Graphics in the U.S. Army Corps of Engineers, Harry F. Hardin and James M. Jones, II, CP80:June 80:10
Interactive Graphics and the Uniform Bean in Engineering Education, David F. Rogers, David Chalmers and J. D. Richardson, CP80:June 80:436
Interactive Graphics Dynamic Analysis Of Frames, M. Gattass, J. G. Orbison, C. I. Pesquera, M. A. Schulman, W. McGuire and John F. Abel, EM81: Jan 81:502
Interactive Graphics: Stage II Special Applications, James O. Howell and David F. Sinton, SU80:June 80:54
Introductory Comments Data Base Systems, Bruce B. Schimming, CP80:June 80:635
Low-Investment Access to LANDSAT Digital Analysis, Roger G. Anderson and Elaine I. Marinello, CP80:June 80:37
Map Content and Symbols: Chapter V of Proposed Manual on Map Uses, Scales, and Accuracies for Engineering and Associated Purposes, Robert P. Jacober, Jr., SU1:Nov 80:41:15851
Moreton Region Non-Urban Land Use Study, Robert Cormack, ASDC:80:233
MOVIE.BYU—A Computer Graphics Software System, Henry N. Christiansen and Michael B. Stephenson, TC1:Apr 79:3:14484
The Movie System: Low Cost General Purpose Computer Graphics Software, Henry N. Christiansen and B. J. Nay, CP80:June 80:1
Plotter Applications in Highway Design, William T. Till, TC1:Apr 79:239:14539
RPI's Computer Graphics Installation, Larry J. Feeser, CP80:June 80:391
Structural Computer Office Practice, S. B. Vora and Lin Y. Huang, CP80:June 80:604
Surfaces — Terrain Modeling and Contour Plotting, Philip L. Owen and William F. Blank, CP80:June 80:48
A Survey of Cadd in Engineering Practice (Abstract), Richard L. Bland, CP80:June 80:15
A User's Experience with New Zealand ICES Software, David Loukes, CP80:June 80:678
Water Quality Modeling Using Computer Graphics, Peter N. French and Daniel P. Loucks, EE80:July 80:138
Water Resources Planning Using Computer Graphics, Peter N. French, Lynn E. Johnson, Daniel P. Loucks and Donald P. Greenberg, WR1:Mar 80:21: 15235

Computerized Design

Automated Design of Multistory Frame Structures, Stan W. Zagajeski and M. D. Wunder, CP80:June 80:203
Automated Suspension Bridge Analysis by Symmetry, Harold Samelson and Harold T. Fink, CP80:June 80:484
BRANDE IV — A Bridge Analysis System, William C. McCarthy, Kenneth R. White and John Minor, CP80:June 80:461
C A D A E (Computer Aided Design & Engineering), Donald R. Johnston, SU80:June 80: 193
CAD System Developed by Urban Design Firm, Harvey H. Liss, CP80:June 80:619
Computer-Aided Design and Drafting for Small Engineering Firms, Ann E. Seltz-Petrash, CE:Feb 80:56
Computer Aided Design and the Corps of Engineers, Seymour Schneider, CP80:June 80:627
Computer-Aided Design in the Corps, N. Radhakrishnan, CP80:June 80:571
Computer Design of Microirrigation Pipe Systems, Roland P. Perold, IR4:Dec 79:403:15060
Computer Graphics as a Teaching Aid, J. T. Scardina, V. Nopratvarakorn and George R. Buchanan, CP80:June 80:430
Design Specification Representation and Analysis, William Rasdorf and Steven J. Fenves, CP80:June 80:102
Effective Utilization of Computer-Aided Design, Thomas H. Wenzel, CP80:June 80:401
Ethical Considerations in Computer Use, Charles F. Beck, Chmn., TC2:Dec 79:415:15056
A/E Use of Computer Aids on Federal Projects, Ronald L. King, CP80:June 80:562
The GLIDE Language for CAD, Charles M. Eastman and Max Henrion, TC1:Aug 80:171:15659
In House Preprocessors for ICES STRUDL, John G. Janssen and Edward T. Manning, Jr., CP80:June 80:670
Interactive Graphics and the Uniform Bean in Engineering Education, David F. Rogers, David Chalmers and J. D. Richardson, CP80:June 80:436
Interactive Graphics Dynamic Analysis Of Frames, M. Gattass, J. G. Orbison, C. I. Pesquera, M. A. Schulman, W. McGuire and John F. Abel, EM81: Jan 81:502
Interactive Optimal Design of Dynamically Loaded Structures, M. A. Bhatti, K. S. Pister and E. Polak, Preprint No.80-635, Oct 80, 17pp.
Intergrated Computer-Aided Design Using Minicomputers, Olaf O. Storaasli, Preprint No.80-672, Oct 80, 15pp.
METRORAIL: Computer Simulation in Design, Norman J. Jester, Preprint No.80-626, Oct 80, 9pp.
Mini-Computers in Structural Optimum Design, Bogdan O. Kuzmanovic and Nicholas Willems, Preprint No.80-556, Oct 80, 12pp.
Optimal Structural Design with Plate Finite Elements, Birendra Prasad and Raphael T. Haftka, ST1:Nov 79:2367:15004
Reliability of Computer-Aided Design, Kolbjorn Saether, Harold R. Sandberg and Charles F. Beck, TC2:Dec 79:371:15069
RPI's Computer Graphics Installation, Larry J. Feeser, CP80:June 80:391
Sensitivity Analyses of Wastewater Treatment Plant Design Parameters, Karl G. Voelkel and Lawrence B. Polkowski, EE80:July 80:307
Software for Analysis of Standards, Steven J. Fenves, CP80:June 80:82
A Specialized Processor for Structural Analysis, George R. Cameron, CP80:June 80:267
Structural Analysis on Microcomputers, Craig M. Bennett, Jr. and Barry J. Goodno, CP80:June 80: 488
Structural Computer Office Practice, S. B. Vora and Lin Y. Huang, CP80:June 80:604
A Survey of Cadd in Engineering Practice (Abstract), Richard L. Bland, CP80:June 80:15
Use of Computers by Federal Construction Agencies, Louis H. Klotz, CP80:June 80:578
Use of "CORPS" for Hydraulic Design, Bobby J. Brown and John J. Ingram, HYCO:Aug 80:240
User-Oriented Programming, Christian Meyer, CP80: June 80:58
A User's Experience with New Zealand ICES Software, David Loukes, CP80:June 80:678
Using Design Specifications for Design, Neal M. Holtz and Steven J. Fenves, CP80:June 80:92
WESPOL-A Programming Language for POL Development, G. Gaggero, CP80:June 80:688

Computerized Routing

Traffic Signal Transition in Computerized Systems, C. John Macgowan, CP80:June 80:505

Computerized Scheduling

Remotely Sensed Crop Temperatures and Reflectances as Inputs to Irrigation Scheduling, R. D. Jackson, S. B. Idso, R. J. Reginato and P. J. Pinter, Jr., IRKA:July 80:390

Computerized Simulation

Computer Modeling of the Great Dismal Swamp, Vincent M. Caruso and James E. Paschal, Jr., CZ80:Nov 80:2308
Dynamics of Growth and Breakage of Alum Floc in Presence of Fluid Shear, John D. Boadway, EE5: Oct 78:901:14084
Flood Hydrograph and Peak Flow Frequency Analysis, Arlen D. Feldman, EFHYF:Mar 79:1
Graphics for Hydraulic Transients Simulation, Peter Shanahan and Brendan M. Harley, CP80:June 80: 27

Hydraulic Transients Following Valve Closure, C. S. Watt, J. M. Hobbs and A. P. Boldy, HY10:Oct 80: 1627:15740
ICPRB and Washington Metro Water Management, Daniel P. Sheer and Paul W. Eastman, WR1:Mar 80:303:15283
METRORAIL: Computer Simulation in Design, Norman J. Jester, Preprint No.80-626, Oct 80, 9pp.
Modeling Combined Sewer Storage Alternatives, Gregory L. Shahabian, Anthony J. Graham and George E. Kamedulski, EE80:July 80:480
A Numerical Surge Model with Moving-Boundary Treatment, Michael H. Chen, David J. Divoky and Li San Hwang, HYUS:June 80:195
Policy Making: Pluralistic Simulation Model, Jonathan W. Bulkley, TC1:Aug 80:93:15602
Simulation of Construction Operations, Leland S. Riggs, TC1:Aug 80:145:15628
Simulation Program for Signalized Intersection, James E. Clark, TC1:Apr 79:163:14537
Technical Aspects of Marine Terminal Simulation, P. E. Thompson and T. M. Davis, PO80:May 80:256
Unsteady Flows in Water Distribution Systems, Suha Sevuk, HYCO:Aug 80:228
Vibration Of A Steel Truss Highway Bridge, Celal N. Kostem, Robert T. Reese and T. Robert Kealey, EM81:Jan 81:61

Computerized Test Methods

Approaches to Program Correctness, Joseph O. Harrison, Jr., TC1:Nov 78:39:14146
Computer Controlled Seismic Performance Testing, Stephen A. Mahin and Mary E. Williams, EM81: Jan 81:616

Computer Languages

EISI-EAL: Engineering Analysis Language, W. D. Whetstone, CP80:June 80:276
The GLIDE Language for CAD, Charles M. Eastman and Max Henrion, TC1:Aug 80:171:15659
Not For Computer People Only—APL In Universities, Morton D. Sinkoff, CP80:June 80:424
Overview of University Computing (Abstract), David R. Schelling and W. Levine, CP80:June 80:418
WESPOL-A Programming Language for POL Development, G. Gaggero, CP80:June 80:688

Computer Models

CAPDET—Cost Estimating for Wastewater Treatment, M. John Gullinane, Jr., CP80:June 80: 320
Comparison of FEM Analyses for a Hyperboloidal Shell, James R. Shaver and Timothy A. Reinhold, CP80:June 80:161
Computer Analysis of Hydrologic Time Series, Jose D. Salas and Ricardo A. Smith, CP80:June 80:305
Computer Controlled Physical Model of the Sacramento River, Jaime Amorocho, William J. Hartman and Johannes J. DeVries, HYCO:Aug 80: 451
Computer Modeling of the Great Dismal Swamp, Vincent M. Caruso and James E. Paschal, Jr., CZ80:Nov 80:2308
A Data Base System for Real Time Hydrologic Modeling, Robert M. Ragan and Jack D. Fellows, AS80:Aug 80:33
Development of a Dynamic Stormwater Management System, Peter E. Manz, HYUS:June 80:163
Drainage Design of the Tampa Palms Property, Robert James Motchkavitz, IRKA:July 80:150
Dynamic Response of the hood Canal Floating Bridge, B. J. Hartz, EM81:Jan 81:16
Economical Pipe Sizing for Irrigation Systems, Leo A. Kinney, Jr. and Michael R. Moncrief, IRKA: July 80:445
Five Millions Square Foot Tent Roof, Fazlur R. Khan, John J. Zils and Mohammed Salem, CE:Dec 80:68
Geographic Data Bases, Richard E. Cornish, CP80: June 80:660
GEOTRACK Model for Railroad Truck Performance, Ching S. Chang, Clement W. Adegoke and Ernest T. Selig, GT11:Nov 80:1201: 15819
Graphical Display of Watershed Management Options, Rhey M. Solomon and Larry J. Schmidt, IRKB:July 80:1026
Masing Model for Earthquake Response, Clifford O. Hays, Jr., Preprint No.80-547, Oct 80, 13pp.
Modeling for a Freight Transport Planning System, Yi-Chin Hu and Ralph D. Johnson, CP80:June 80: 497
Modeling Of River Floodplains As Networks, Kenneth R. Avery, CP80:June 80:286
Modeling of Sediment Transport in Cottonwood Creek, Alan L. Prasuhn and Edward F. Sing, HYCO:Aug 80:209
Modeling Three-Dimensional Wind-Induced Flows, Christopher Koutitas and Brian O'Connor, HY11: Nov 80:1843:15836
Potential for Water Reuse—A Computer Model, Ed Smith, Steve Shelton, Manette Messenger and Barry Peterman, EE80:July 80:634
Predicting the Spatial Variation in Erosion, William O. Rasmussen, John L. Thames and Peter F. Ffolliott, IRKB:July 80:781
Retention/Detention Basins in Coastal Areas, A. B. Pennell, HYUS:June 80:299
Session V—Power Forecasting, Catalino B. Cecilio, EFHYF:Mar 79:424
Simulation Model for Open Pit Mine Dewatering, Catherine Kraeger-Rovey, HYCO:Aug 80:107
Simulation of Lime-Soda Softening, Li-Shiang Liang, Irvine W. Wei and Henry G. Sideropoulos, EE5: Oct 80:935:15756
SMADA—Stormwater Management and Design Aid, Timothy M. Curran and Martin P. Wanielista, Preprint No.80-603, Oct 80, 14pp.
Techniques For The Generation of Long Streamflow Sequences, K. M. Leytham and Delbert D. Franz, EFHYF:Mar 79:20
A Transportation System Optimization Model, Paul M. Schonfeld, CP80:June 80:530
Trophic State of LaFarge Reservoir, John R. Kiefer, EE6:Dec 79:1095:15040
Tropical Storm Surge Forecasting in the National Weather Service, Chester P. Jelesnianski, EFHYF: Mar 79:65
Water Quality Modeling Using Computer Graphics, Peter N. French and Daniel P. Loucks, EE80:July 80:138
Water Resources Planning Using Computer Graphics, Peter N. French, Lynn E. Johnson, Daniel P. Loucks and Donald P. Greenberg, WR1:Mar 80:21: 15235

Computer Programming

Approaches to Program Correctness, Joseph O. Harrison, Jr., TC1:Nov 78:39:14146
Computers in Civil Engineering Undergraduate Education, Robert John Craig, CP80:June 80:419
Economical Pipe Sizing for Irrigation Systems, Leo A. Kinney, Jr. and Michael R. Moncrief, IRKA: July 80:445
History of Computer Graphics in the U.S. Army Corps of Engineers, Harry F. Hardin and James M. Jones, II, CP80:June 80:10
An Interactive Software System for Competency and Project Oriented Civil Engineering Education, A. Fattah Chalabi, CP80:June 80:406
Land Use and Water System Planning, A. Lee Cesario, SU80:June 80:153
The .Movie System: Low Cost General Purpose Computer Graphics Software, Henry N. Christiansen and B. J. Nay, CP80:June 80:1
RPI's Computer Graphics Installation, Larry J. Feeser, CP80:June 80:391
Service-Wide Earthwork — A Software Team Effort, Gordon J. Serpa and Duane W. Chamot, CP80: June 80:357
Simulation for Port Design and Operations, M. Kaplan and R. C. Wentworth, PO80:May 80:269
Software Problems in University Environment, Leonard A. Lopez, TC2:Dec 79:385:15029
A Specialized Processor for Structural Analysis, George R. Cameron, CP80:June 80:267
Use of "CORPS" for Hydraulic Design, Bobby J. Brown and John J. Ingram, HYCO:Aug 80:240

User-Oriented Programming, Christian Meyer, CP80: June 80:58
WESPOL-A Programming Language for POL Development, G. Gaggero, CP80:June 80:688

Computer Programs

The AAP: A Package of Arterial Analysis Programs, Gary Euler, Ken Courage and Steve Shapiro, CP80: June 80:560
Alternative Approaches for Applying GIS Technology, Jack P. Dangermond and Lowell Kent Smith, SU80:June 80:97
Application of a Graphics-Oriented Building Design System, M. M.E. Jeffries and M. R. Dyer, CP80: June 80:16
Automated Suspension Bridge Analysis by Symmetry, Harold Samelson and Harold T. Fink, CP80:June 80:484
Bridge Pier Protective Systems, R. T. Mancill, Jr. and K. N. Derucher, PO80:May 80:778
CAD System Developed by Urban Design Firm, Harvey H. Liss, CP80:June 80:619
Case Study—Stream Deposition and Changing Land Use, Gary R. Dyhouse and David T. Williams, IRKB:July 80:215
Computation of Non-Unique Elastic-Plastic Trusses, David L. White and Philip G. Hodge, Jr., Preprint No.80-510, Oct 80, 14pp.
Computer Aided Design and the Corps of Engineers, Seymour Schneider, CP80:June 80:627
Computer-Aided Design in the Corps, N. Radhakrishnan, CP80:June 80:571
Computer Aids for the Organization of Standards, James Robert Harris and Richard N. Wright, CP80: June 80:112
Computer Analysis of Hydrologic Time Series, Jose D. Salas and Ricardo A. Smith, CP80:June 80:305
Computer Design of Microirrigation Pipe Systems, Roland P. Perold, IR4:Dec 79:403:15060
Computer Modeling of the Great Dismal Swamp, Vincent M. Caruso and James E. Paschal, Jr., CZ80:Nov 80:2308
Computer Software for Grand Coulee Stabilization, David W. Harris, CP80:June 80:230
Computing Unidimensional Normal Stress Resultants, Joaquin Marin, ST1:Jan 80:233:15145
Design Specification Representation and Analysis, William Rasdorf and Steven J. Fenves, CP80:June 80:102
Development of a Landfill Classification System, Michael U. Flanders, CP80:June 80:239
Direct Solution of Wave Dispersion Equation, John N. Hunt, TN: WW4:Nov 79:457:14944
Effective Utilization of Computer-Aided Design, Thomas H. Wenzel, CP80:June 80:401
EISI-EAL: Engineering Analysis Language, W. D. Whetstone, CP80:June 80:276
Engineering Software Selection Criteria, Peter F. Zoll, CP80:June 80:67
Flood Flow Frequency by SCS-TR-20 Computer Program, Vaiyapuri Danushkodi, HY9:Sept 79: 1123:14818
Flood Mitigation Planning Using HEC-SAM, Darryl W. Davis, SU80:June 80:113
The GLIDE Language for CAD, Charles M. Eastman and Max Henrion, TC1:Aug 80:171:15659
Hazardous Location Program, Edwin M. Smith, HW80:Mar 80:109
In House Preprocessors for ICES STRUDL, John G. Janssen and Edward T. Manning, Jr., CP80:June 80:670
Interactive Nonstructural Flood-Control Planning, David T. Ford, CP80:June 80:331
An Interactive Software System for Competency and Project Oriented Civil Engineering Education, A. Fattah Chalabi, CP80:June 80:406
Introductory Comments Data Base Systems, Bruce B. Schimming, CP80:June 80:635
MAPS - Developing a Water Resources Screening Tool, Thomas M. Walski, CP80:June 80:341
Modeling Combined Sewer Storage Alternatives, Gregory L. Shahabian, Anthony J. Graham and George E. Kamedulski, EE80:July 80:480
Optimization of Stormwater Management Practices, Mark M. Calabrese, HYUS:June 80:183
Park River Auxiliary Tunnel, Edwin A. Blackey, Jr., CO4:Dec 79:341:15076
Pitfalls of GSA-CMCS Software, Calin M. Popescu, CO1:Mar 79:95:14432
Predicting Eutrophication Impacts of Development, Myron S. Rosenberg, Robert A. Kimball and Robert P. Shubinski, IRKB:July 80:517
Quality Assurance of Engineering Software, Steven J. Fenves and Robert L. Schiffman, TC1:Apr 79:57: 14482
Savings in Multiple Analysis by Using Finite Elements, Som P. Virk, CP80:June 80:186
Service-Wide Earthwork — A Software Team Effort, Gordon J. Serpa and Duane W. Chamot, CP80: June 80:357
Software for Analysis of Standards, Steven J. Fenves, CP80:June 80:82
Software Problems in University Environment, Leonard A. Lopez, TC2:Dec 79:385:15029
Sources of Computer Programs in Hydraulics, David R. Basco, Chmn., HY5:May 80:915:15435
Sources of Computers for Small Engineering Firms, Morton B. Lipetz, CP80:June 80:592
A Specialized Processor for Structural Analysis, George R. Cameron, CP80:June 80:267
Statistical Programs in Engineering Hydrology, Jose D. Salas and Ricardo A. Smith, CP80:June 80:315
Terminal Usage of Batch Programs in Highway Design, Conrad G. Keyes, Jr., John Minor and Kenneth R. White, CP80:June 80:350
Trilateration Adjustment by Finite Elements, Naguib F. Danial and Theodor Krauthammer, SU1:Nov 80: 73:15812
Uncertainty in Step-Backwater Analyses, Asok K. Motayed and David R. Dawdy, TN: HY5:May 79: 617:14555
Unsteady Flows in Water Distribution Systems, Suha Sevuk, HYCO:Aug 80:228
Use of Computers by Federal Construction Agencies, Louis H. Klotz, CP80:June 80:578
Use of "CORPS" for Hydraulic Design, Bobby J. Brown and John J. Ingram, HYCO:Aug 80:240
User-Oriented Programming, Christian Meyer, CP80: June 80:58
A User's Experience with New Zealand ICES Software, David Loukes, CP80:June 80:678
Using Design Specifications for Design, Neal M. Holtz and Steven J. Fenves, CP80:June 80:92
WESPOL-A Programming Language for POL Development, G. Gaggero, CP80:June 80:688

Computers

Alternative Approaches for Applying GIS Technology, Jack P. Dangermond and Lowell Kent Smith, SU80:June 80:97
Analysis of Curved, Prestressed, Segmental Bridges, Stefanus F. van Zyl and Alexander C. Scordelis, ST11:Nov 79:2399:14986
Approaches to Program Correctness, Joseph O. Harrison, Jr., TC1:Nov 78:39:14146
Assemblage Method for Folded-Plate Analysis, Fouad H. Victor and Fernand Ellyin, ST7:July 79: 1509:14689
Bridge Analysis and Rating System, Hasmukh M. Lathia, TC1:Apr 79:211:14538
Computer-Aided Design and Drafting for Small Engineering Firms, Ann E. Seltz-Petrash, CE:Feb 80:56
Computer-Aided Preliminary Design, William H. Mooseker and Gerard Dixon, TC1:Apr 79:75:14483
Computer Aquisition for the Small Contractor, Vera D. Dunder, CO2:June 80:173:15497
Computerized Construction Quantity Record Keeping, Elias C. Tonias, TC2:Dec 79:291:15074
Computerized Cost Control of Nuclear Power Plants, Daniel W. Halpin, CO4:Dec 79:305:15036
Computer Modeling of Clay Structure and Mechanics, Ronald F. Scott and Michael J.K. Craig, GT1:Jan 80:17:15128
Computers in Engineering Organization Management, F. Lawrence Bennett, EI3:July 79: 147:14714

Computer Software for Grand Coulee Stabilization, David W. Harris, CP80:June 80:230
Constraints for Axial Strains in Frames, William Weaver, Jr., ST1:Jan 80:199:15121
Construction Planning—Beyond the Critical Path, George S. Birrell, CO3:Sept 80:389:15684
Data Base Use for Regional Environmental Planning, Lyman F. Wible, TE5:Sept 80:559:15677
Data Management Using Computers and CRT Displays, Allen F. Flanders, MGC:July 80:343
Design of Steel Connections by Math Programming, Richard Douty, ST5:May 80:1135:15397
Development of New Features for Ices Project/I, Edmond T. Miresco, CP80:June 80:151
Dimensionless Solutions of Border-Irrigation Advance, Nikolaos D. Katopodes and Theodor Strelkoff, IR4:Dec 77:401:13400
Efficient Constraint Treatment in Structural Optimization, Jasbir S. Arora, Edward J. Haug and S. D. Rajan, Preprint No.80-501, Oct 80, 13pp.
Establishing a Company Computer Network, Glenn S. Orenstein, TC2:Dec 79:363:15080
Evaluation of Bridge Overloads, Kenneth R. White and John Minor, TE1:Jan 79:15:14279
Geographic Information Systems, William E. Gates and Richard J. Heil, SU1:Nov 80:105:15826
Glued-Laminated Beam Strength: A Model, Ricardo O. Foschi and J. David Barrett, ST8:Aug 80:1735:15599
Heat Conduction in Plates by Finite Strip Method, Satyananda Chakrabarti, EM2:Apr 80:233:15328
Land Surveying Research Needs: The Next Decade, Roscoe B. Snedeker, SU1:Nov 79:85:14961
Managing Software Development, Barry B. Flachsbart, TC1:Apr 79:51:14481
Organization and Control of Engineering Design Firms, Robert D. Logcher and Raymond E. Levitt, EI1:Jan 79:7:14302
Plotter Applications in Highway Design, William T. Till, TC1:Apr 79:239:14539
Practical Aspects of Town Water Planning, Paul G. Fischer, Jr. and Tsung Ting Chiang, WR1:Mar 80:159:15279
Real-Time Control of Activated Sludge Process, Michael K. Stenstrom and John F. Andrews, EE2:Apr 79:245:14521
Recommended Procedure for Computer Selection, J. Crozier Brown, TC2:Dec 79:319:15071
Sources of Computers for Small Engineering Firms, Morton B. Lipetz, CP80:June 80:592
Stable Alluvial Canal Design, Howard H. Chang, HY5:May 80:873:15420
Truck Allocation Model for Concrete Distribution, David G. Woods and Frank C. Harris, CO2:June 80:131:15490
User Conveniences in Application Programs, Jean-Jacques Jonatowski, TC1:Apr 79:43:14489
Water Quality Modeling Using Computer Graphics, Peter N. French and Daniel P. Loucks, EE80:July 80:138
Water Resources; Surveying, CE:Jan 80:93

Computer Storage Devices

Matrix Operations on Large Computers, Caleb W. McCormick, CP80:June 80:72
Moreton Region Non-Urban Land Use Study, Robert Cormack, ASDC:80:233

Computer Systems Programs

BRANDE IV — A Bridge Analysis System, William C. McCarthy, Kenneth R. White and John Minor, CP80:June 80:461
An Evolutionary Approach to Integrated Engineering Based Systems, J. F. Gloudeman, Preprint No.80-159, Apr 80, 18pp.
Managing Data in FORTRAN Programs, John M. McCormick and Joseph P. Wright, TC1:Apr 79:13:14486
Managing Software Development, Barry B. Flachsbart, TC1:Apr 79:51:14481
MOVIE.BYU—A Computer Graphics Software System, Henry N. Christiansen and Michael B. Stephenson, TC1:Apr 79:3:14484
Software Problems in University Environment, Leonard A. Lopez, TC2:Dec 79:385:15029
Structural Plasticity Computer System: STRUPL, M. Z. Cohn and A. Franchi, ST4:Apr 79:789:14526
User Conveniences in Application Programs, Jean-Jacques Jonatowski, TC1:Apr 79:43:14489

Computer Terminals

California Coastal Data Collection Program—Data Collection, Analysis and Dissemination, George W. Domurat and Douglas M. Pirie, CZ80:Nov 80:2171
Computer Graphics in Education: A Case Study, Michael J. O'Rourke, Robert U. Johnson and Larry J. Feeser, CP80:June 80:450
Distributed Data Entry and Processing, Joseph P. Harrison, CP80:June 80:614
Overview of University Computing (Abstract), David R. Schelling and W. Levine, CP80:June 80:418
Terminal Usage of Batch Programs in Highway Design, Conrad G. Keyes, Jr., John Minor and Kenneth R. White, CP80:June 80:350

Computer Traffic Control

Chicago's Computerized Traffic Control System, Ronald Q. Pool, TE4:July 79:401:14706

Concentrated Loads

Concrete Slabs and Concentrated Loads, Joseph H. Appleton, Preprint No.80-124, Apr 80, 12pp.

Concentration

Applicability of Kynch Theory to Flocculent Suspensions, Byong S. Shin and Richard I. Dick, EE3:June 80:505:15461
Developing Zone Characteristics in Aerated Flows, B. S. Thandaveswara and Nagar S. Lakshmana Rao, HY3:Mar 78:385:13605
Particle Size Distribution Effects on Turbidity, Thomas Arthur Holstrom and Richard H. Hawkins, IRKB:July 80:233
Virus Concentration by Ultrafiltration, Yael Rotem-Borensztajn, Eliyahu Katzenelson and Georges Belfort, EE2:Apr 79:401:14536

Concentrators

A Cheap Solution to Pollution from Combined-Sewer Overflows, CE:Nov 79:83

Concrete

Accuracy of Composite Section Nonlinear Solutions, Luc Lachance and Clifford O. Hays, Jr., ST11:Nov 80:2203:15801
Alternate to ACI Analysis Coefficients, Richard W. Furlong and Carlos Rezende, ST11:Nov 79:2203:14979
Approximate Relaxation Function for Concrete, Zdenek P. Bazant and Sang-Sik Kim, ST12:Dec 79:2695:15083
Behavior of Concrete under Multiaxial Stress States, Kurt Berlin Gerstle, Helmut Aschl, Roberto Bellotti, Paolo Bertacchi, Michael D. Kotsovos, Hon-Yim Ko, Diethelm Linse, John B. Newman, Pio Rossi, Gerald Schickert, Michael A. Taylor, Leonard A. Traina, Helmut Winkler and Roger M. Zimmerman, EM6:Dec 80:1383:15945
Blast Damage Criteria for a Massive Concrete Structure, Rupert G. Tart, Jr., Lewis L. Oriard and John H. Plump, Preprint No.80-175, Apr 80, 15pp.
Column Base Plates with Axial Loads and Moments, John T. DeWolf and Edward F. Sarisley, ST11:Nov 80:2167:15823
Concrete Microwave Tower is Award Winner, Leonard Hayet and Franklin Z. Glickman, CE:Apr 79:62
Concreting and Formwork Logistics and Optimization, Marvin Gates and Amerigo Scarpa, CO2:June 78:219:13842
Determination of Fracture Toughness of Concrete, M. M. Kim, Hon-Yim Ko and Kurt H. Gerstle, FIC:Oct 80:1
Ductility Ratio for Slabs, Edwin G. Burdette and Dennis Bernal, ST11:Nov 78:1741:14131
Earthquake Resistant Design of Concrete Gravity Dams, Anil K. Chopra, ST6:June 78:953:13823

Evaluating Aggregate Gradings for Nuclear Concrete, Kurtz L. Paulson and R. Harlan Wright, Preprint No.80-507, Oct 80, 26pp.
Evaluation of Fracture Techniques in Cementitious Composites, K. Visalvanich and Antoine E. Naaman, FIC:Oct 80:65
Fracture Mechanics of Reinforced Concrete, Zdenek P. Bazant and Luigi Cedolin, FIC:Oct 80:28
Fundamental Analysis of Aggregate Interlock, Joost C. Walraven, Preprint No.80-011, Apr 80, 29pp.
Generalized Stress-Strain Relations for Concrete, Michael D. Kotsovos and John B. Newman, EM4: Aug 78:845:13922
Hysteretic Fracturing Endochronic Theory for Concrete, Zdenek P. Bazant and Ching-Long Shieh, EM5:Oct 80:929:15781
Influence of Notch Dimensions on the Effective Surface Energy and Notch-Sensitivity of Cement Compounds, Shan Somayaji, FIC:Oct 80:36
Instability and Spacing of Cooling or Shrinkage Cracks, Abubakr A. Bazant and Abubakr A. Wahab, EM5:Oct 79:873:14933
Limit Analysis of Flat-Slab Buildings for Lateral Loads, Hans Gesund and Harinatha B. Goli, ST11: Nov 79:2187:14981
Local Flexural Strength of Slabs at Interior Columns, Hans Gesund and Harinatha B. Goli, ST5:May 80: 1063:15394
Nonlinear Creep of Concrete—Adaptation and Flow, Zdenek P. Bazant and Sang-Sik Kim, EM3:June 79: 429:14654
Octahedral Based Incremental Stress-Strain Matrices, David W. Murray, EM4:Aug 79:501:14734
A Plastic-Fracture Model for Concrete, S. S. Hsieh, Edward C. Ting and Wai F. Chen, FIC:Oct 80:50
Plastic-Fracturing Theory for Concrete, Zdenek P. Bazant and Sang-Sik Kim, EM3:June 79:407:14653
Probing Concrete with Radio Waves, Edwin F. Laine, K. A. Dines, Justin T. Okada and R. Jeffrey Lytle, GT7:July 80:759:15556
Repair of Waterstop Failures, Ernest K. Schrader, EY2:Oct 80:155:15741
Resistance to Crack Growth in Portland Cement Composites, Methi Wecharatana and Surendra P. Shah, FIC:Oct 80:82
Size Effect in Model Concretes?, Gajanan M. Sabnis and Saeed M. Mirza, ST6:June 79:1007:14618
Statistical Descriptions of Strength of Concrete, Sher Ali Mirza, Michael Hatzinikolas and James G. MacGregor, ST6:June 79:1021:14628
Tarbela Dam—Problems Solved by Novel Concretes, Paul C. Chao, CE:Dec 80:58
Temperature Effects on Epoxy Adhesives, Joseph M. Plecnik, Boris Bresler, James D. Cunningham and Robert Iding, ST1:Jan 80:99:15141
Tension and Tension-Shear Fractures in Cements and Concretes, Michael A. Taylor, FIC:Oct 80
Tokyo's Dainikoro Underwater Tube-Tunnel, Boyd C. Paulson, Jr., CO4:Dec 80:489:15877
Total Strain Theory and Path-Dependence of Concrete, Zdenek P. Bazant and Tatsuya Tsubaki, EM6:Dec 80:1151:15911
TVA Blast Vibration Criteria for Mass Concrete, Lewis L. Oriard and James H. Coulson, Preprint No.80-175, Apr 80, 22pp.
Viscoelasticity of Solidifying Porous Material—Concrete, Zdenek P. Bazant, EM6:Dec 77:1049: 13432
A 3D Hypoelastic Concrete Constitutive Relationship, Alaa A. Elwi and David W. Murray, EM4:Aug 79:623:14746

Concrete (Admixtures)

Tarbela Dam—Problems Solved by Novel Concretes, Paul C. Chao, CE:Dec 80:58

Concrete (Blocks)

Estimating Masonry Wall and Column Costs, Clayford T. Grimm, CO4:Dec 77:627:13413
Shear Strength of Concrete Masonry Joints, Ahmad A. Hamid, Robert G. Drysdale and Arthur C. Heidebrecht, ST7:July 79:1227:14670
Tensile Strength of Concrete Masonry, Robert G. Drysdale, Ahmad A. Hamid and Arthur C. Heidebrecht, ST7:July 79:1261:14669

Concrete (Lightweight)

The Concrete Canoe: A Technological Challenge, John Rinaldo and David B. Clayman, CE:Mar 80: 74

Concrete (Post-Tensioned)

Accuracy of Composite Section Nonlinear Solutions, Luc Lachance and Clifford O. Hays, Jr., ST11:Nov 80:2203:15801
Baltimore Borrows Bridge Beams, CE:June 80:66
I-205 Columbia River Bridge Design and Construction, Fred P. Blanchard, Preprint No.80-554, Oct 80, 11pp.
Post-Tensioned Foundations as Economical Alternative, Henry J. Cronin, Jr., CE:Mar 80:62
Torsion of Reinforced Square Cylinder, You-Mong Kuo and Harry D. Conway, EM6:Dec 80:1341: 15921
Vail Pass Highway—Respecter of Mountain Ecology, CE:June 80:70

Concrete (Precast)

Analysis of Curved, Prestressed, Segmental Bridges, Stefanus F. van Zyl and Alexander C. Scordelis, ST11:Nov 79:2399:14986
Atlanta's New Central Passenger Terminal Complex, James F. Kortan, TE6:Nov 80:765:15821
Concrete Beams with Prestressed Elements, Manak B. Mawal, ST3:Mar 79:617:14463
Fighting Fire With Concrete, K. Gene Miller, CE: Aug 79:81
Infilled Walls for Earthquake Strengthening, Lawrence F. Kahn and Robert D. Hanson, ST2:Feb 79:283:14364
Models of Precast Concrete Large Panel Buildings, Harry G. Harris and John C. Muskivitch, ST2:Feb 80:545:15218
Park River Auxiliary Tunnel, Edwin A. Blackey, Jr., CO4:Dec 79:341:15076
A Study of the use of Ambient Vibration Measurements to Detect Changes in the Structural Characteristics of a Building, Peter R. Sparks, Alan P. Jeary and V. C. M. de Souza, EM81:Jan 81:189
Types of Segmental Construction: Precasting Versus In-Place Concreting, Felix Kulka, Charles Redfield and T. Y. Lin, Preprint No.80-636, Oct 80, 14pp.
Variations in Dimensions of Reinforced Concrete Members, Sher Ali Mirza and James G. MacGregor, ST4:Apr 79:751:14495

Concrete (Prestressed)

Analysis of Curved, Prestressed, Segmental Bridges, Stefanus F. van Zyl and Alexander C. Scordelis, ST11:Nov 79:2399:14986
Box Girder Bridge Diaphragms with Openings, Michel A. Sargious, Walter H. Dilger and Hugh Hawk, ST1:Jan 79:53:14314
Concrete Beams with Prestressed Elements, Manak B. Mawal, ST3:Mar 79:617:14463
Concrete Plasticity Theory for Biaxial Stress Analysis, David W. Murray, Larp Chitnuyanondh, Khazal Y. Rijub-Agha and Chung Wong, EM6:Dec 79:989:15046
Concrete Reinforcing Net: Optimum Slip-Free Limit Design, Zdenek P. Bazant and Tatsuya Tsubaki, ST2:Feb 79:327:14344
Design of Composite Prestressed Concrete Beams, David S. Hatcher, ST1:Jan 79:185:14298
Direct Flexural Design of Prestressed Concrete, David S. Hatcher, ST8:Aug 78:1231:13958
Effective Utilization of Computer-Aided Design, Thomas H. Wenzel, CP80:June 80:401
Nonlinear Analysis of Prestressed Concrete Frames, Young-Jin Kang and Alexander C. Scordelis, ST2: Feb 80:445:15191
Prestressed Concrete Design by Linear Programming, David Morris, ST3:Mar 78:439:13612
Prestressed Concrete Members in Direct Tension, Robert J. Wheen, ST7:July 79:1471:14693

Prestressed Waffle Slab Bridges—Elastic Behavior, John B. Kennedy and Ibrahim S. El-Sebakhy, ST12: Dec 80:2443:15929
Seismic Response of Partially Prestressed Concrete, Kevin J. Thompson and Robert Park, ST8:Aug 80: 1755:15598
Standard Prestressed Concrete Beam Design, David S. Hatcher, ST1:Jan 80:23:15106
Towards a Rational Theory for RC Members in Shear, Michael P. Collins, ST4:Apr 78:649:13697
Ultimate Steel Stresses in Unbonded Prestressed Concrete, Soussan Mojtahedi and William L. Gamble, TN: ST7:July 78:1159:13868

Concrete (Reinforced)
Arch Culvert Footing Movements, Raymond E. Davis, Henry D. Nix and Alfred E. Bacher, ST4: Apr 79:729:14491
Arch Culvert Research—Phase 3, Raymond E. Davis, Henry D. Nix and Alfred E. Bacher, ST4:Apr 79: 739:14492
Assessment of Empirical Concrete Impact Formulas, George E. Sliter, ST5:May 80:1023:15411
Automated Design of Multistory Frame Structures, Stan W. Zagajeski and M. D. Wunder, CP80:June 80:203
Biaxial Bending of Reinforced Concrete Columns, Louis F. Geschwindner, Jr., Preprint No.80-024, Apr 80, 16pp.
Biaxially Loaded Concrete Sections, M. Pinto de Magalhaes, ST12:Dec 79:2639:15058
Computing Unidimensional Normal Stress Resultants, Joaquin Marin, ST1:Jan 80:233:15145
Concrete Beams with Small Opening under Torsion, M. Abdul Mansur and A. Hasnat, ST11:Nov 79: 2433:14970
The Concrete Canoe: A Technological Challenge, John Rinaldo and David B. Clayman, CE:Mar 80: 74
Concrete Filled Structural Plastic Columns, Carl E. Kurt, ST1:Jan 78:55:13478
Concrete Reinforcing Net: Optimum Slip-Free Limit Design, Zdenek P. Bazant and Tatsuya Tsubaki, ST2:Feb 79:327:14344
Concrete Reinforcing Net: Safe Design, Zdenek P. Bazant, Tatsuya Tsubaki and Ted B. Belytschko, ST9:Sept 80:1899:15705
Cooling Towers with Circumferential Imperfections, Charles P. Ellinas, James G.A. Croll and Kenneth O. Kemp, ST12:Dec 80:2405:15910
Cracking in Concrete Pavements, Robert C. Deen, James H. Havens, Assaf S. Rahal and W. Vernon Azevedo, TE2:Mar 80:155:15273
Creep of Coated Reinforcing Bars in Concrete, James R. Clifton, Robert G. Mathey and Erik D. Anderson, ST10:Oct 79:1935:14911
Deflection Control by Span-Effective Depth Ratio, Himat T. Solanki, TN: ST9:Sept 80:1974:15667
Dome Effect in RC Slabs: Elastic-Plastic Analysis, Mikael W. Braestrup and C. T. Morley, ST6:June 80:1255:15502
Dome Effect in RC Slabs: Rigid-Plastic Analysis, Mikael W. Braestrup, ST6:June 80:1237:15501
Dowel Action in Concrete Beams Subject to Torsion, Mahmoud A. Reda Youssef and Alfred G. Bishara, ST6:June 80:1263:15455
Dynamic Response of Pile-Supported Frame Foundations, Fakhry Aboul-Ella and Milos Novak, EM6:Dec 80:1215:15895
Elastic-Plastic Seismic Response of Chimney, Le-Chung Shiau and Henry T.Y. Yang, ST4:Apr 80: 791:15325
Experiments on Axially Loaded Concrete Shells, Wai F. Chen, Harshavardhan C. Mehta and Tse-Yung P. Chang, ST8:Aug 79:1673:14785
Fatigue Behavior and Design of Ferrocement Beams, Perumalsamy N. Balaguru, Antoine E. Naaman and Surendra P. Shah, ST7:July 79:1333:14671
Fatigue Experiments on Composite Slab Floors, Murray C. Temple and George Abdel-Sayed, ST7: July 79:1435:14676
Finite Response of Inelastic RC Structures, Siegfried M. Holzer, Arnold E. Somers, Jr. and Joel C. Bradshaw, ST1:Jan 79:17:14303
Fire Response of Reinforced Concrete Slabs, Zuhayr Nizamuddin and Boris Bresler, ST8:Aug 79:1653: 14784
Flexural Rotational Capacity of Spandrel Beams, Alfred G. Bishara, Larry Londot, Peter Au and Majety V. Sastry, ST1:Jan 79:147:14325
Fracture Mechanics of Reinforced Concrete, Zdenek P. Bazant and Luigi Cedolin, EM6:Dec 80:1287: 15917
High-Strength Concrete in Ultimate Strength Design, Pao-Tsan Wang, Surendra P. Shah and Antoine E. Naaman, ST11:Nov 78:1761:14139
Indirectly Loaded Reinforced Concrete Beams, Sami M. Fereig and Kenneth N. Smith, ST7:July 79: 1319:14674
Inelasticity of Reinforced Concrete and Structural Standards, M. Z. Cohn, ST11:Nov 79:2221:14985
Largest Inverted Shell Houses Two Theaters, Jacob Eldar, CE:June 79:74
Limit Analysis of Reinforced Concrete Arch Bridges, Paola Ronca and M. Z. Cohn, ST2:Feb 79:313: 14337
Limit Analysis of Slabs with Free Edge, Kanakapura S. Subba Rao, N. Rangaiah and Balagolam V. Ranganatham, ST11:Nov 79:2419:14959
Linearity in Limit Design of Orthotropic Slabs, Harinatha B. Goli and Hans Gesund, ST10:Oct 79: 1901:14928
Meridionally Imperfect Cooling Towers, James G.A. Croll, Fevzi Kaleli and Kenneth O. Kemp, EM5: Oct 79:761:14895
Microcomputer Analysis and Design of R/C Structures, James C. Anderson and Farzad Naeem, Preprint No.80-622, Oct 80, 14pp.
Nonlinear Creep Buckling of Reinforced Concrete Columns, Zdenek P. Bazant and Tatsuya Tsubaki, ST11:Nov 80:2235:15811
Optimum Seismic-Resistant Design of R/C Frames, Stan Zagajeski Zagakesli and Vitelmo V. Bertero, ST5:May 79:829:14583
Postcracking Compliance Analysis of RC Beams, Clarence W. deSilva, Oral Buyukozturk and David N. Wormley, ST1:Jan 79:35:14304
Re-decking a Bridge With Precast Concrete, Clarence V. Knudsen, CE:Apr 80:75
Reliability Based Criteria for Reinforced Concrete Design, Bruce R. Ellingwood, ST4:Apr 79:713: 14480
Reliability of Current Reinforced Concrete Designs, Bruce R. Ellingwood, ST4:Apr 79:699:14479
Restrained Warping in Free-Standing Staircases, Erling A. Smith, TN: ST3:Mar 80:734:15231
Rough Cracks in Reinforced Concrete, Zdenek P. Bazant and Pietro Gambarova, ST4:Apr 80:819: 15330
Seismic Behavior of Structural Subassembiages, Egor P. Popov, ST7:July 80:1451:15519
Seismic Response of Partially Prestressed Concrete, Kevin J. Thompson and Robert Park, ST8:Aug 80: 1755:15598
Shear Stiffness of Concrete by Finite Elements, Michael N. Fardis and Oral Buyukozturk, ST6:June 80:1311:15463
Shear Transfer in Cracked Reinforced Concrete, Richard N. White, Peter Gergely and Rafael Jiminez, Preprint No.80-115, Apr 80, 19pp.
Shear Transfer in Reinforced Concrete with Small Crack Widths, Hans W. Reinhardt and Joost C. Walraven, Preprint No.80-012, Apr 80, 20pp.
Shear Transfer Model for Reinforced Concrete, Michael N. Fardis and Oral Buyukozturk, EM2: Apr 79:255:14507
Slip-Dilatancy Model for Cracked Reinforced Concrete, Zdenek P. Bazant and Tatsuya Tsubaki, ST9:Sept 80:1947:15704
Slipforming of Heavily Reinforced Concrete Shield Building, M. C. Hsieh and Jerome R. King, Preprint No.80-673, Oct 80, 15pp.
Some Applications of the Finite Element Method for Analysing Reinforced Concrete Structures, Gerhard J. Mehlhorn, Volker Cornelius, Gunter Schmidt-Gonner and Winfried Zeitler, Preprint No.80-552, Oct 80, 16pp.

Stability Analysis and Design of Concrete Frames, James G. MacGregor and Sven E. Hage, ST10:Oct 77:1953:13280
Strength and Ductility of Tied Concrete Columns, Shamim A. Sheikh and Suzru M. Uzumeri, ST5: May 80:1079:15388
Strength Decay in R.C. Beams under Load Reversals, Charles F. Scribner and James K. Wight, ST4:Apr 80:861:15360
Structural Response of R/C Slabs to Tornado Missiles, Peter M. McMahon, Subir K. Sen, Bernard L. Meyers and Kenneth P. Buchert, ST3: Mar 79:547:14443
Tension Stiffening in Reinforced Concrete Slabs, R. Ian Gilbert and Robert F. Warner, ST12:Dec 78: 1885:14211
Tests on Microconcrete Continuous Folded Plates, Kaveti Seetharamulu and Sachchidanand N. Sinha, ST7:July 79:1457:14696
Thermal Effects on Load Capacity of Concrete Slabs, Nestor R. Iwankiw, ST7:July 79:1417:14667
Torsion in Spandrel Beams, M. Abdul Mansur and B. Vijaya Rangan, ST7:July 78:1061:13861
Towards a Rational Theory for RC Members in Shear, Michael P. Collins, ST4:Apr 78:649:13697
Ultimate Torque of Reinforced Rectangular Beams, Madhusudan Chakraborty, ST3:Mar 79:653:14466
Validity of Yieldline Theory for Polyhedral Shells, Robert E. Melchers, EM1:Feb 79:107:14388
Variability of Mechanical Properties of Reinforcing Bars, Sher Ali Mirza and James G. MacGregor, ST5:May 79:921:14590
Variations in Dimensions of Reinforced Concrete Members, Sher Ali Mirza and James G. MacGregor, ST4:Apr 79:751:14495
Water Conveyance Pipelines in Expansive Soil, Robin C. Rocklin, SLS:June 80:477
West Virginia Cooling Tower Collapse Caused by Premature Form Removal, Hai S. Lew, CE:Feb 80: 62

Concrete Additives

Tarbela Dam—Problems Solved by Novel Concretes, Paul C. Chao, CE:Dec 80:58

Concrete Aggregates

Tarbela Dam—Problems Solved by Novel Concretes, Paul C. Chao, CE:Dec 80:58

Concrete Construction

Concrete Slump in Nuclear Power Plant Construction, H. Randolph Thomas, Jr., CO4:Dec 80:567:15881
Random Thermal Stress in Concrete Containments, Mahendra P. Singh and Robert A. Heller, ST7:July 80:1481:15542
Structural Characterization Of Concrete Chimneys, Kalman L. Benuska, Gerald Y. Matsummoto, Everett H. Killam and John G. Diehl, EM81:Jan 81:152

Concrete Deformation

Tarbela Dam—Problems Solved by Novel Concretes, Paul C. Chao, CE:Dec 80:58

Concrete Deterioration

Physical Model for Steel Corrosion in Concrete Sea Structures—Theory, Zdenek P. Bazant, ST6:June 79:1137:14651
Physical Model for Steel Corrosion in Concrete Sea Structures—Application, Zdenek P. Bazant, ST6: June 79:1155:14652

Concrete Durability

Physical Model for Steel Corrosion in Concrete Sea Structures—Theory, Zdenek P. Bazant, ST6:June 79:1137:14651
Physical Model for Steel Corrosion in Concrete Sea Structures—Application, Zdenek P. Bazant, ST6: June 79:1155:14652
Portland Cement Concrete Underground Pipelines, Philip H. Perkins, TE5:Sept 79:577:14863

Concrete Masonry

Composite Masonry: Research Needs, Joseph A. Wintz, III and Alan H. Yorkdale, Preprint No.80-584, Oct 80, 11pp.
Differential Movement in Composite Load-Bearing Masonry Walls, Clayford T. Grimm and David W. Fowler, ST7:July 79:1277:14666

Concrete Pavements

Cracking in Concrete Pavements, Robert C. Deen, James H. Havens, Assaf S. Rahal and W. Vernon Azevedo, TE2:Mar 80:155:15273

Concrete Piles

Behavior of Driven Piles on Soft Limestone, Curtis J. Roos and E. W. Lingo, GTDF:80:365
Effects of Piles Driving Systems on Driveability and Capacity of Concrete Piles, Christopher David Thompson and David Elliot Thompson, GTDF:80: 420
High Capacity Pile Foundations for China Steel Corporation Integrated Steel Mill, W. C. Wan, Paul Engeling and Edith A. Hacker, GTDF:80:495
Indicator Pile and Load Test Program, Oliver H. Gilbert, Jr., Mahmut Otus and Joseph Corollo, GTDF:80:122
Instrumented Drilled Shafts in Clay-Shale, Patrick M. Goeke and Paul A. Hustad, Aff., GTDF:80:149
Pile Foundations for One Market Plaza, Edward E. Rinne and Michael W. Stobbe, GTDF:80:343
Shaft Resistance of Rock-Socketed Drilled Piers, Robert G. Horvath and T. Cameron Kenney, GTDF:80:182
A Study of Axial Pile Load Tests, Shailendra N. Endley, Edward J. Ulrich, Jr. and Janice B. Gray, GTDF:80:101
A Study of Downdrag on a Cast-in-Place Concrete Pile, Antal Partos, GTDF:80:311

Concrete Pipes

Analog Model for Piles in Expansive Clay, Joram M. Amir and M. S. Sokolov, SLS:June 80:582
Measured Response of Pile Supported Machines, Gerald M. Diaz, GTDF:80:75

Concrete Placing

Concreting and Formwork Logistics and Optimization, Marvin Gates and Amerigo Scarpa, CO2:June 78:219:13842

Concrete Properties

Blasting Vibration Limits on Freshly Placed (Green) Concrete, Allen J. Hulshizer and Ashok J. Desai, Preprint No.80-661, Oct 80, 14pp.
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Concretes

Baltimore Borrows Bridge Beams, CE:June 80:66
Constitutive Model for Short-Time Loading of Concrete, Niels Saabye Ottosen, EM1:Feb 79:127: 14375
Constitutive Models for Concrete Structures, Wai F. Chen and Edward C. Ting, EM1:Feb 80:1:15177
New Graving Dry Dock at Tampa, Florida, Robert I. Young, WW1:Feb 80:19:15184
Plasticity Solutions for Concrete Splitting Tests, Wai F. Chen and Tse-Yung P. Chang, EM3:June 78: 691:13852
Tensile Strength of Concrete: Double-Punch Test, Wai F. Chen and Robert L. Yuan, ST8:Aug 80: 1673:15593
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Concrete Slabs

The Behaviour and Design of Housing Slabs on Expansive Clays, John E. Holland, William G. Pitt, Charles E. Lawrance and Dominic J. Cimino, SLS: June 80:448
Concrete Reinforcing Net: Optimum Slip-Free Limit Design, Zdenek P. Bazant and Tatsuya Tsubaki, ST2:Feb 79:327:14344

Concrete Slabs and Concentrated Loads, Joseph H. Appleton, Preprint No.80-124, Apr 80, 12pp.
Dome Effect in RC Slabs: Elastic-Plastic Analysis, Mikael W. Braestrup and C. T. Morley, ST6:June 80:1255:15502
Dome Effect in RC Slabs: Rigid-Plastic Analysis, Mikael W. Braestrup, ST6:June 80:1237:15501
Fire Response of Reinforced Concrete Slabs, Zuhayr Nizamuddin and Boris Bresler, ST8:Aug 79:1653:14784
Limit Analysis of Flat-Slab Buildings for Lateral Loads, Hans Gesund and Harinatha B. Goli, ST11:Nov 79:2187:14981
Linearity in Limit Design of Orthotropic Slabs, Harinatha B. Goli and Hans Gesund, ST10:Oct 79:1901:14928
Resistance Of Hardened Box-Type Structures, Theodor Krauthammer, EM81:Jan 81:713

Concrete Structures
End Effects of Pressure-Resistant Concrete Shells, Wai F. Chen, Hiroyuki Suzuki and Tse-Yung P. Chang, ST4:Apr 80:751:15316
Falsework Design for Concrete Structures, Kenneth C. Hover, Preprint No.80-178, Apr 80, 30pp.
Fracture Mechanics of Reinforced Concrete, Zdenek P. Bazant and Luigi Cedolin, EM6:Dec 80:1287:15917
Interaction Effects Of Reactor System And Its Supports, C.-W. Lin, D. T. Tang and F. Loceff, EM81:Jan 81:609
Lower Bound Limit Design of Concrete Structures, B. Vijaya Rangan, P. R. Natarajan and V. S. Parameswaran, ST12:Dec 78:1901:14240
Microcomputer Analysis and Design of R/C Structures, James C. Anderson and Farzad Naeem, Preprint No.80-622, Oct 80, 14pp.
Perforation of Reinforced Concrete Slabs, Peter P. Degen, ST7:July 80:1623:15579
Physical Model for Steel Corrosion in Concrete Sea Structures—Theory, Zdenek P. Bazant, ST6:June 79:1137:14651
Physical Model for Steel Corrosion in Concrete Sea Structures—Application, Zdenek P. Bazant, ST6:June 79:1155:14652
Plastic-Fracturing Theory for Concrete, Zdenek P. Bazant and Sang-Sik Kim, EM3:June 79:407:14653
Rough Cracks in Reinforced Concrete, Zdenek P. Bazant and Pietro Gambarova, ST4:Apr 80:819:15330
Some Applications of the Finite Element Method for Analysing Reinforced Concrete Structures, Gerhard J. Mehlhorn, Volker Cornelius, Gunter Schmidt-Gonner and Winfried Zeitler, Preprint No.80-552, Oct 80, 16pp.
Strength and Ductility of Tied Concrete Columns, Shamim A. Sheikh and Suzru M. Uzumeri, ST5:May 80:1079:15388
Top-to-Bottom Construction in High-Rise Buildings, Anthony van Zutphen, CE:Mar 79:65
Total Strain Theory and Path-Dependence of Concrete, Zdenek P. Bazant and Tatsuya Tsubaki, EM6:Dec 80:1151:15911
Wind Loading and Response of Cooling Towers, Norman J. Sollenberger, Robert H. Scanlan and David P. Billington, ST3:Mar 80:601:15281

Concrete Structures Failure
Seismic Study Of Imperial County Services Building, Mehdi Saiidi, EM81:Jan 81:431
Willow Island Aftermath: The Limits of OSHA, Allen Morrison, CE:Mar 80:68

Concrete Technology
Concrete Production on Nuclear Power Plant Projects, H. Randolph Thomas, Jr., Jack H. Willenbrock and James L. Burati, Jr., CO3:Sept 80:327:15703

Concrete Tests
Testing Concrete in Place, Michael J. Bartos, Jr., CE:Oct 79:66

Condemnation
Preferential Acquisition of Development Rights, Steven J. Foute, UP1:May 78:41:13732

Conditional Probability
Bidding Models: Truths and Comments, Michael Fuerst, CO1:Mar 76:169:11991

Conduits
Optimal Control of Unsteady Combined Sewer Flow, John W Labadie, Dennis M. Morrow and Yung Hai Chen, WR1:Mar 80:205:15233
Varied Flow Functions for Circular Channels, Chandramouli Nalluri and John H. Tomlinson, HY7:July 78:983:13889

Cone Penetration Index
Cone Resistance as Measure of Sand Strength, James K. Mitchell and Tom A. Lunne, GT7:July 78:995:13901
Site Studies, Coastal/Geotechnical Aspects, Ralph H. Cross, George B. Tirey and Jin H. Kim, PO80:May 80:429

Cone Penetrometers
Cone Penetration in Soil Profiling, Mohsen M. Baligh, Vitoon Vivatrat and Charles C. Ladd, GT4:Apr 80:447:15377

Conferences
Baltimore Borrows Bridge Beams, CE:June 80:66
Keynote Address, Spencer J. Buchanan, SLS:June 80:661
Special Address—Conference Overview, Leonard Krazynski, SLS:June 80:671
UN Water Conference: Scope for Transfer of Knowledge in Its Action Plan, Habte Mariam Neghassi, WR1:Mar 80:351:15249

Confidence Intervals
Shear Strength of Wood Beams: A Weibull Analysis, Jen Y. Liu, ST10:Oct 80:2035:15770

Configuration
Elevator System Configuration Optimization, Yosef Sheffi, TE2:Mar 79:127:14448

Confined Environments
Methodology for Effluent Water Quality Prediction, Bert A. Eichenberger and Kenneth Y. Chen, EE1:Feb 80:197:15212

Confined Water
Practical Problems of Confined-Aquifer Test Analyses, Jack E. Kelly, Keith E. Anderson and W. L. Burnham, Preprint No.80-157, Apr 80, 8pp.
SIND Modeling for Unsteady Flow Assessments, Joel L. Caves and Robert L. Johnson, HYCO:Aug 80:281

Conflict
Allocation of Risks—A, M. G. Johnson, CRLS:Jan 79:II-53
Conflict on the Job: How to Cope, Virginia Fairweather, CE:Dec 79:71
Conflict Resolution: Lessons from Grays Harbor, Nan Evans, CZ80:Nov 80:776
Trinidad: A Solution for Coastal Land-Use Conflict, Steele Wotkyns, CZ80:Nov 80:1518

Conformal Mapping
Canal Seepage with Boundary at Finite Depth, Heramb D. Sharma and Amrik S. Chawla, HY7:July 79:877:14715

Conical Bodies
Buckling of Axially Compressed Conical Shells, Chin-Hao Chang and Lester Katz, EM3:June 80:501:15473

Connecticut
Control of Stormwater Runoff in a Rural Area, Pamela B. Katz, John A. Ripp and Deborah K. Martin, EE80:July 80:372

Hartford Coliseum Roof Collapse: Structural Collapse Sequence and Lessons Learned, Erling A. Smith and Howard I. Epstein, CE:Apr 80:59
Park River Auxiliary Tunnel, Edwin A. Blackey, Jr., CO4:Dec 79:341:15076
Stamford's Urban Renewal Project Takes Off, Eugene E. Dallaire, CE:Apr 79:82

Connections
Analytical M-Θ Curves for End-Plate Connections, Natarajan Krishnamurthy, Horng-Te Huang, Paul K. Jeffrey and Louie K. Avery, ST1:Jan 79:133:14294
Beam-to-Column Connection Research in Japan, Ben Kato, Preprint No.80-179, Apr 80, 24pp.
Beam-to-Column End Plate Connections, Thomas S. Tarpy, Jr., Preprint No.80-179, Apr 80, 24pp.
Beam-To-Column Moment Connecttions, Paul Grundy, Ian R. Thomas and Ian D. Bennetts, ST1: Jan 80:313:15108
Effects of Non-Linear Connections in Steel Frames, Piotr D. Moncarz and Kurt H. Gerstle, Preprint No.80-179, Apr 80, 21pp.
Lack of Fit in End-Plate Connections, Allan P. Mann and Linden J. Morris, Preprint No.80-179, Apr 80, 25pp.
Seismic Behavior of Beam-to-Column Moment Connections and Joints, Helmut Krawinkler and Egor P. Popov, Preprint No.80-179, Apr 80, 22pp.
Stability of Flexibly Connected Plate Systems, Milija Pavlovic, Donald S. Mansell and Leonard K. Stevens, ST10:Oct 80:2077:15766
Static Behavior of Beam-to-Column Moment Connections, Wai F. Chen and K. V. Patel, Preprint No.80-179, Apr 80, 24pp.
Tear-Out Failure of Bolt Groups, Cedric Marsh, TN: ST10:Oct 79:2122:14873
Tests of Beam-to-Column Web Moment Connections, Glenn P. Rentschler, Wai F. Chen and George C. Driscoll, ST5:May 80:1005:15386

Connections (Joints)
Bolted Truss Connections of Rectangular Steel Tubes, Peter C. Birkemoe and P. W. Olynyk, Preprint No.80-053, Apr 80, 22pp.
Limit Design of Extended End-Plate Connections, Allan P. Mann and Linden J. Morris, ST3:Mar 79: 511:14460

Connectors (Mechanical)
Load and Resistance Factor Design Criteria for Connectors, John W. Fisher, Theodore V. Galambos, Geoffrey L. Kulak and Mayasandra K. Ravindra, ST9:Sept 78:1427:14017

Conservation
Archeological Resources, Planning, and Construction, Are Tsirk, CO1:Mar 79:79:14439
Areawide Soil Loss Predictions Using CIR Airphotos, Ken M. Morgan and Randolph Nalepa, AS80:Aug 80:24
Conserving Energy with Low-Pressure Center Pivots, James R. Gilley and Lloyd B. Mielke, IR1:Mar 80: 49:15292
Erosivity Values for Individual Design Storms, Keith R. Cooley, IR2:June 80:135:15462
Expanded Polystyrene Spheres as Evaporation Suppressors, Tariq A. Mahmoud and Natiq K. Bashi, IR3:Sept 80:163:15689
Integration of Air Quality and Transportation Planning, Norman L. Cooper and John O. Hidinger, CAAA:Nov 79:56
Physical-Economic Evaluation of Tillage Systems, Daniel Taylor, Douglas Young and Donald McCool, IRKB:July 80:985

Consistency
Federal Consistency—Is It Working? A Perspective From the Pacific Northwest, Donald E. Lawyer, CZ80:Nov 80:2123

Consolidation
Consolidation and Strength Properties of a Clay, Tien H. Wu, Nien Y. Chang and Elfatih M. Ali, GT7: July 78:889:13891
Finite and Infinitesimal Strain Consolidation, Robert L. Schiffman, TN: GT2:Feb 80:203:15158
Finite Element Schemes for Porous Elastic Media, Gerhard Krause, EM3:June 78:605:13851
Foundation Performance of Tower of Pisa, James K. Mitchell, Vitoon Vivatrat and T. William Lambe, GT3:Mar 77:227:12814
Hydroconsolidation Stability of Palouse Loess, Bertel O. Olson, Preprint No.80-031, Apr 80, 12pp.
Initial Excess Pore Pressure in Soils, Panchanatham N. Sundaram, TN: GT4:Apr 80:465:15304
Leachate Generation from a Sludge Disposal Area, Wayne A. Charlie, Richard E. Wardwell and Orlando B. Andersland, EE5:Oct 79:947:14884
New Cell For Study of Swelling Soils, Gerard Didier, Richard Kastner and Yvan Bourdeau, SLS:June 80: 18
One-Dimensional Consolidation Problems, Roy E. Olson and Charles C. Ladd, GT1:Jan 79:11:14330
Pore-Pressure Dissipation During Excavation, Ayed E. Osaimi and G. Wayne Clough, GT4:Apr 79:481: 14509
Universal Compression Index Equation, Oswald Rendon-Herrero, GT11:Nov 80:1179:15829

Consolidation Tests (Soils)
Initial Excess Pore Pressure in Soils, Panchanatham N. Sundaram, TN: GT4:Apr 80:465:15304
In-Situ Volume-Change Properties by Electro-Osmosis—Evaluation, James K. Mitchell and Sunirmal Banerjee, GT4:Apr 80:367:15371
The Prediction of Total Heave, D. G. Fredlund, J. U. Hasan and H. L. Filson, SLS:June 80:1
Strain Controlled Testing of Expansive Soils, Andrew A. Porter and John D. Nelson, SLS:June 80:34
Variability of an Expansive Clay Deposit, D. G. Fredlund, J. Krahn and J. U. Hasan, SLS:June 80: 322

Constitutive Equations
Computer Modeling of Clay Structure and Mechanics, Ronald F. Scott and Michael J.K. Craig, GT1:Jan 80:17:15128
Constitutive Relations and Solution Schemes in Plastic Analysis, Subhash C. Anand, EM1:Feb 80: 21:15188
Hysteretic Fracturing Endochronic Theory for Concrete, Zdenek P. Bazant and Ching-Long Shieh, EM5:Oct 80:929:15781
Nonlinear Creep of Concrete—Adaptation and Flow, Zdenek P. Bazant and Sang-Sik Kim, EM3:June 79: 429:14654
Thermodynamics of Solidifying or Melting Viscoelastic Material, Zdenek P. Bazant, EM6:Dec 79:933:15041
Total Strain Theory and Path-Dependence of Concrete, Zdenek P. Bazant and Tatsuya Tsubaki, EM6:Dec 80:1151:15911
A 3D Hypoelastic Concrete Constitutive Relationship, Alaa A. Elwi and David W. Murray, EM4:Aug 79:623:14746

Constitutive Models
Constitutive Models for Engineering Materials, A. F. Saleeb and Wai F. Chen, Preprint No.80-605, Oct 80, 14pp.
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Constraints
Constraints for Axial Strains in Frames, William Weaver, Jr., ST1:Jan 80:199:15121
Improved Local Resource Allocation, Jack L. Jensen, UT79A:July 79:179
Problems in Applying Optimal Irrigation Plans, Charles E. Brockway and Richard G. Allen, WR1: Mar 80:255:15277

Construction
Allocation of Risks—C, R. K. McFarland, CRLS:Jan 79:II-64
Allocation of Risks—E, Woodrow W. Wilson, CRLS: Jan 79:II-73
Bidding Models: Truths and Comments, Michael Fuerst, CO1:Mar 76:169:11991
Building on Expansive Soils in South Africa: 1973-1980, Antony AB Williams and George W. Donaldson, SLS:June 80:834
"Claims and Changes Handbook for Construction Contract Management," by Paul Levin. (Book review), James V. Guidice, CE:May 80:34
Computer Aquisition for the Small Contractor, Vera D. Dunder, CO2:June 80:173:15497
Computerized Construction Quantity Record Keeping, Elias C. Tonias, TC2:Dec 79:291:15074
Concreting and Formwork Logistics and Optimization, Marvin Gates and Amerigo Scarpa, CO2:June 78:219:13842
Construction and Design of Large Cooling Towers, Wolfgang Zerna and Ihsan Mungan, ST2:Feb 80: 531:15217
Construction Contract Study in Technical Education, Richard P. Maher, CO1:Mar 79:41:14446
Construction QA/QC Systems: Comparative Analysis, Jack H. Willenbrock and Scott Shepard, CO3:Sept 80:371:15569
Construction Risk: Who Pays?, Virginia Fairweather, CE:Apr 79:64
Construction Specifications — A One Book Deal, Joseph Goldbloom, Preprint No.80-048, Apr 80, 5pp.
Contractual Arrangements—A, Carroll H. Dunn, CRLS:Jan 79:II-85
Control of Construction Noise, Stan Potter and A. Paolillo, EE80:July 80:421
Cut and Cover Construction on Unstable Slopes, Elias Sotiropoulos and Spyros Cavounidis, CO4: Dec 80:585:15890
Direct Liability — Field Errors, Stephen B. Quinn, Preprint No.80-523, Oct 80, 6pp.
Drain Construction on The Columbia Basin Project, Richard Jack Christopher and Keith Campbell, IRKA:July 80:280
Engineering and Constructing Marine Superprojects, Marshall P. Cloyd, CO1:Mar 79:65:14435
Erosion Modeling Approaches for Construction Sites, Richard C. Warner and Benjamin C. Dysart, III, IRKB:July 80:465
Executive Summary, W. Stell Huie, CRLS:Jan 79:II-1
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An Interactive Construction Control System for Project Planning and Estimating, A. Fattah Chalabi, Thomas W. Staehr and Rafael Lai, CP80:June 80: 140
Management; Continuing Education; Minority Business Enterprise, CE:Jan 80:95
Managing Nuclear Construction-An Experience Survey, Clyde B. Tatum, CO4:Dec 78:487:14233
Preservation of Historic Sites During Construction, Ward F. Weakly, CO3:Sept 80:351:15690
Productivity and Technology in Construction, Janet A. Koch and Fred Moavenzadeh, CO4:Dec 79:351: 15077
Public Awareness of Homes Built on Shrink-Swell Soils, Wesley G. Holtz, SLS:June 80:617
Quality Control During Construction of Power Plants, Robert F. Hartstern, Preprint No.80-617, Oct 80, 9pp.
Selected Areas of Aerospace Technical Applications to Civil Engineering, Allen F. Flanders, Chmn., TE3:May 79:223:14563
Summary Session—B, Henry J. Jacoby, CRLS:Jan 79: II-178
Summary Session—C, John P. Jellico, CRLS:Jan 79: II-184
Summary Session—D, David G. Hammond, CRLS: Jan 79:II-192
Technical Aspects of Metric Construction, Edward R. Lewandowski, Preprint No.80-516, Oct 80, 12pp.
U.S.-China Relations: Friends Now, Partners Tomorrow?, Ann E. Seltz-Petrash, CE:Apr 79:57
Use of Computers by Federal Construction Agencies, Louis H. Klotz, CP80:June 80:578

Construction Control
Layout Techniques for Little Blue Run Dam, Duane R. Church, SU1:Nov 79:1:14946
Modal Parameter Estimation For A Highrise Building Using Ambient Response Data Taken During Construction, M. Meyyappa, H. Palsson and J. I. Craig, EM81:Jan 81:141

Construction Costs
Allocating Risk and Incentive in Construction, Raymond E. Levitt, David B. Ashley and Robert D. Logcher, CO3:Sept 80:297:15710
Allocation of Risks — B, Thomas R. Kuesel, CRLS: Jan 79:I-51
Bottom Supported Terminal — Dravo Preload Concept, D. S. Hill, PO80:May 80:316
Computer Aided Design and the Corps of Engineers, Seymour Schneider, CP80:June 80:627
Construction Contract Arrangements, Solomon Ribakoff, CRLS:Jan 79:I-83
Construction Cost Control by the Owner, Alfred C. Maevis, CO4:Dec 80:435:15915
Means Computerized Data Base and Estimating System, Robert S. Godfrey, Preprint No.80-550, Oct 80, 14pp.
Minimizing Risks and Mitigating Losses—B, Franklin T. Matthias, CRLS:Jan 79:II-133
Minimizing Risks and Mitigating Losses—C, Joe B. McNabb, CRLS:Jan 79:II-138
Seepage Cutoff Wall Installed Through Dam is Construction First, Frank B. Couch, Jr. and Arturo L. Ressi di Cervia, CE:Jan 79:62
Subway Construction Costs: The Role of the Engineer, Robert S. O'Neil, CO4:Dec 80:447:15916
101 Uses for Earth Reinforcement, Michael J. Bartos, Jr., CE:Jan 79:51

Construction Equipment
Construction Equipment Downtime Costs, V. Pathmanathan, TN: CO4:Dec 80:604:15870
Criteria for the Selection of Construction Equipment, Marvin Gates and Amerigo Scarpa, CO2:June 80: 207:15507
Productivity and Technology in Construction, Janet A. Koch and Fred Moavenzadeh, CO4:Dec 79:351: 15077

Construction Industry
Allocation of Risks — A, William S. Alldredge, CRLS:Jan 79:I-39
Business Practices in the Construction Industry: A Survey, Roland Gareis, CO4:Dec 79:317:15037
Complex Problems with Separate Contracts System, Richard P. Maher, CO2:June 79:129:14614
Computerized Cost Control of Nuclear Power Plants, Daniel W. Halpin, CO4:Dec 79:305:15036
Construction Contract Study in Technical Education, Richard P. Maher, CO1:Mar 79:41:14446
Construction Management in Japan, Boyd C. Paulson, Jr. and Tsuneo Aki, CO3:Sept 80:281: 15670
Construction Management in West Germany, Joachim Dressler, CO4:Dec 80:477:15878
Construction Project Selection and Bernoulli Utility, V. K. Handa and I. F. Georgiades, CO3:Sept 80: 355:15683
Contractual Arrangements for Construction, Louis W. Riggs, CRLS:Jan 79:I-101
Cost Impacts of Prevailing Wage Laws in Construction, Raymond E. Levitt and Clinton C. Bourdon, CO4:Dec 79:281:15019
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Evaluation of Contractor Comments on the Quality of Specifications, Maynard Charles Nugent, CO2: June 78:153:13801
Has Metrication Run Out of Gas?, Michael J. Bartos, Jr., CE:Aug 79:49
Improving Construction Productivity, James Choromokos, Jr. and Keith E. McKee, Preprint No.80-528, Oct 80, 22pp.
Improving Productivity in Hot Weather at Remote Areas, Arthur E. Seleen, EI3:July 80:249:15565
Minimizing Risks and Mitigating Losses — B, David G. Hammond, CRLS:Jan 79:I-133
Minimizing Risks and Mitigating Losses—C, Joe B. McNabb, CRLS:Jan 79:II-138
Productivity in the Construction Industry, Arthur J. Fox, Jr., EI1:Jan 78:49:13462
Proposed Construction Management Specification, Kenath A. Kettle, CO4:Dec 79:367:15027
Recommended Endorsement and Comments on NSPE/ACEC 1910-8 (1978) General Conditions, Robert D. Rowland, Chmn., CO2:June 79:157: 14641
Reducing Costs in Urban Transportation Construction, John W. Fondahl, Boyd C. Paulson, Jr. and Henry W. Parker, CO1:Mar 79:51:14406
Research in Japanese Construction Industry, Boyd C. Paulson, Jr., CO1:Mar 80:1:15237
Summary Report of Questionnaire on Specifications (Contractor Returns), Joseph Goldbloom, Chmn., CO3:Sept 78:353:14001
Summary Report of Questionnaire on Specifications (Owner and Owner Representative Returns), Joseph Goldbloom, Chmn., CO3:Sept 79:163:14799
Summary Session—A, Walter S. Douglas, CRLS:Jan 79:II-173
Temporary Facilities — Utilities Designing Steps, Calin Popescu, Preprint No.80-178, Apr 80, 20pp.
Truck Allocation Model for Concrete Distribution, David G. Woods and Frank C. Harris, CO2:June 80:131:15490
Union Versus Nonunion Construction in the U.S., Raymond E. Levitt and Clinton C. Bourdon, CO4: Dec 79:289:15020
Use of Computers by Federal Construction Agencies, Louis H. Klotz, CP80:June 80:578
What the Construction Industries Think of Metrication?, A. Fattah Chalabi and Frank E. Vanzler, Preprint No.80-513, Oct 80, 13pp.

Construction Management

Alternative Construction Quality Assurance Programs, Weston T. Hester, CO3:Sept 79:187: 14800
"Claims and Changes Handbook for Construction Contract Management," by Paul Levin. (Book review), James V. Guidice, CE:May 80:34
Communication: Key to Productive Construction, Henry W. Parker, EI3:July 80:173:15553
Complex Problems with Separate Contracts System, Richard P. Maher, CO2:June 79:129:14614
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Construction/Engineering Management: A Comparison, Steven S. Pinnell, EI4:Oct 80:405: 15779
Construction Joint Ventures, David B. Ashley, CO3: Sept 80:267:15698
Construction Management in Japan, Boyd C. Paulson, Jr. and Tsuneo Aki, CO3:Sept 80:281: 15670
Construction Management in West Germany, Joachim Dressler, CO4:Dec 80:477:15878
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Contractual Arrangements—B, John P. Gnaedinger, CRLS:Jan 79:II-95
Contractual Arrangements—C, Max E. Greenberg, CRLS:Jan 79:II-100
Contractual Arrangements—D, Sammie D. Guy, CRLS:Jan 79:II-108
Contractual Arrangements—E, Martin N. Kelley, CRLS:Jan 79:II-113
Delays in Construction of Nuclear Power Plants, Parviz F. Rad, EY1:Jan 79:33:14287
The Dynamics of Putting It All Together for the Boston Southwest Corridor Project, Francis X. Hall and Lawrence W. Shumway, Preprint No.80-171, Apr 80, 17pp.
Engineering Management Education—An Overview, Walter G. Heintzleman and Anthony M. DiGioia, Jr., EI2:Apr 80:73:15350
Engineering Management—University Programs, Tung Au, EI2:Apr 80:81:15351
Evaluating PCM Firm Potential and Performance, Clyde B. Tatum, CO3:Sept 79:239:14802
Guidelines for Successful Construction Management, Donald S. Barrie, CO3:Sept 80:237:15686
Identification and Nature of Risks—C, Alfred C. Maevis, CRLS:Jan 79:II-35
Identification and Nature of Risks—D, Harry Sutcliffe, CRLS:Jan 79:II-40
An Interactive Software System for Competency and Project Oriented Civil Engineering Education, A. Fattah Chalabi, CP80:June 80:406
Keynote Address, George A. Fox, CRLS:Jan 79:II-9
Labor Relations Considerations on PCM Projects, Russell J. Christesen and Clyde B. Tatum, Preprint No.80-174, Apr 80, 29pp.
Labor Relations Considerations on PCM Projects, Russell J. Christesen and Clyde B. Tatum, CO4: Dec 80:535:15920
Management Impacts on Labor Productivity, Robert D. Logcher and William W. Collins, CO4:Dec 78: 447:14235
Managing Joint Ventures for Large Construction Projects, James L. Lammie and D. P. Shah, Preprint No.80-171, Apr 80, 21pp.
Managing Nuclear Construction-An Experience Survey, Clyde B. Tatum, CO4:Dec 78:487:14233
Managing Small Projects, Keith E. McKee, EI2:Apr 80:129:15367
A Marine Terminal for Exportation of Slurried Coal, R. B. Jacques and P. K. Johnson, PO80:May 80:32
Minimizing Risks and Mitigating Losses—B, Franklin T. Matthias, CRLS:Jan 79:II-133
Minimizing Risks and Mitigating Losses—D, John A. McWhorter, CRLS:Jan 79:II-158
Motivating Foremen on Large Construction Projects, Nancy Morse Samelson and John D. Borcherding, CO1:Mar 80:29:15276
PCM Team Member Liability, Marshall A. Ames and Mark H. Jordan, Preprint No.80-174, Apr 80, 11pp.
Pitfalls of GSA-CMCS Software, Calin M. Popescu, CO1:Mar 79:95:14432
Preservation of Historic Sites During Construction, Ward F. Weakly, CO3:Sept 80:351:15690
Professional CM: The Architect-Engineer's Viewpoint, Clyde B. Tatum, George M. Gans and George T. Harper, CO2:June 80:141:15478
Professional Construction Management Services, John D. Madsen, Chmn., CO2:June 79:139:14624
Professional Development in Heavy Construction, Clyde B. Tatum, EI3:July 80:203:15524
Professional Reference Program, Gerard Cunningham, EI2:Apr 80:107:15354
Proposed Construction Management Specification, Kenath A. Kettle, CO4:Dec 79:367:15027
Schedule Control for PCM Projects, Patricia D. Galloway and K. Nielsen, Preprint No.80-174, Apr 80, 29pp.
Simulation of Repetitive-Unit Construction, David B. Ashley, CO2:June 80:185:15495
Some Ideas for Reducing Subway Construction Costs, Thomas D. O'Rourke, CE:Nov 80:41
Stumbling Blocks to Effective Management, H. B. Cooke, CE:Mar 80:66
Summary Session—D, David G. Hammond, CRLS: Jan 79:II-192
To Joint Venture, Or Not — Is It For Your Firm?, Duncan M. Black, Preprint No.80-171, Apr 80, 31pp.
The Trade Contractors' View of Construction Management, Donald S. Barrie, CO4:Dec 79:381: 15081

Use of Computers by Federal Construction Agencies, Louis H. Klotz, CP80:June 80:578
Work Sampling Programs: Comparative Analysis, H. Randolph Thomas, Jr. and Mason P. Holland, CO4: Dec 80:519:15879

Construction Materials
Important Research Needs in Wood-As A Structural Material, James R. Goodman, Chmn., ST10:Oct 79: 2069:14893
Reinforced Earth Structures for Port Development, David P. McKittrick, PO80:May 80:786
Repair of Waterstop Failures, Ernest K. Schrader, EY2:Oct 80:155:15741
System for Material Movement to Work Areas, Roland M. Parsons and John D. Pachuta, CO1:Mar 80:55:15267

Construction Methods
Allocation of Risks—B, Terence G. McCusker, CRLS:Jan 79:II-56
Construction Methods in Tunneling under a Railroad, Marcello H. Soto, CO3:Sept 77:317:13180
Some Ideas for Reducing Subway Construction Costs, Thomas D. O'Rourke, CE:Nov 80:41
Substructure Construction Methods — I-205 Columbia River Bridge, Robert B. Bittner, Preprint No.80-027, Apr 80, 22pp.

Construction Planning
Construction Planning for Linear Projects, Shlomo Selinger, CO2:June 80:195:15504
Tips for Training Workers in the Development World, Richard H. Wall, CE:Dec 80:65

Construction Practices
Construction Vibrations — State-of-the-Art, John F. Wiss, Preprint No.80-175, Apr 80, 26pp.
Risk and Liability: The Owner's View, Max W. Strauss, CRLS:Jan 79:I-25

Construction Procedure
Allocation of Risks — B, Thomas R. Kuesel, CRLS: Jan 79:I-51
The Central Artery Project — Construction Techniques, Francis R. Sholock, TE2:Mar 80:205: 15284
Computerized Construction Quantity Record Keeping, Elias C. Tonias, TC2:Dec 79:291:15074
Concept to Commissioning: How Risky the Trip?, Chauncey E. Burtch, CRLS:Jan 79:I-7
Construction and Design of Light Structures in Peru, A. Carrillo-Gil, SLS:June 80:469
Construction Contract Arrangements, Solomon Ribakoff, CRLS:Jan 79:I-83
Construction Planning—Beyond the Critical Path, George S. Birrell, CO3:Sept 80:389:15684
Construction Specifications: A One-Book Deal, Joseph Goldbloom, TN: CO4:Dec 80:601:15870
Control of Construction Noise, Stan Potter and A. Paoliillo, EE80:July 80:421
Cost Optimization of Buildings, Alan D. Russell and Khalid T. Choudhary, ST1:Jan 80:283:15125
Densification of Loose Deposits by Pounding, Robert G. Lukas, GT4:Apr 80:435:15376
Embankments Through Cross River Swamp, Roger Foott, Dan Devecseri, C. N. Aneke, J. O. Jackson and Charles C. Ladd, GT3:Mar 80:219:15288
Expansive Roadbed Treatment for Southern Africa, D. J. Weston, SLS:June 80:339
Foundation Response Caused by Disturbance of Clay, Richard P. Weber, GT5:May 78:583:13765
Identification and Nature of Risks—A, W. Stell Huie, CRLS:Jan 79:II-15
Jacked Pipe Provides Roof for Underground Construction in Busy Urban Area, G. Musso, CE: Nov 79:79
Keynote Address, George A. Fox, CRLS:Jan 79:II-9
Mixed Face Tunneling on Melbourne Underground, Alfred M. Petrofsky, CO3:Sept 80:409:15695
Notched Trusses Give Low-Cost Conversion of Hangars for Jumbo Jets, Edward H. Strand and Stephen H. Barnes, CE:June 80:88
Seepage Cutoff Wall Installed Through Dam is Construction First, Frank B. Couch, Jr. and Arturo L. Ressi di Cervia, CE:Jan 79:62
Simulation of Construction Operations, Leland S. Riggs, TC1:Aug 80:145:15628
Subway Designs and Construction Methods That Cut Costs, James A. Birkmyer, CE:Oct 78:62

Construction Site Accidents
Human Aspects of Construction Safety, Jimmie Hinze, Preprint No.80-134, Apr 80, 22pp.
Numerical Aid to Reduce Construction Injury Losses, Lawrence I. Knab, CO4:Dec 78:437:14213
Supervisor-Worker Relationship Affects Injury Rate, Jimmie Hinze and Francine Gordon, CO3:Sept 79: 253:14848
Turnover, New Workers, and Safety, Jimmie Hinze, CO4:Dec 78:409:14209

Construction Sites
Construction Project Selection and Bernoulli Utility, V. K. Handa and I. F. Georgiades, CO3:Sept 80: 355:15683
Coordinated Insurance for Major Construction Projects, David B. Ashley, CO3:Sept 80:307:15697
Public Reaction to a Construction Project, Enno Koehn and Lawrence C. Winkelman, Preprint No.80-009, Apr 80, 20pp.
Some Secrets to Building Structures on Expansive Soils, Basil A. Kantey, CE:Dec 80:53

Consultants
Competitive Bidding for A/E Services—Why Not?, Kenneth C. Giberson, EI1:Jan 80:45:15117
Computers in Engineering Organization Management, F. Lawrence Bennett, EI3:July 79: 147:14714
Consulting Engineering Graduate Education, Lloyd H. Ketchum, Jr., EI4:Oct 79:197:14889
Cost of Environmental Impact Statements, Enno Koehn, Bradley Fallon, Fred Seling and Randall Young, CO4:Dec 79:331:15092
Day-to-Day Management of Large Engineering Projects, Frank G. Jenes and Rodney D. Stroope, EI4:Oct 80:327:15735
Highway History: Modern Turnpike Era Recounted, Charles M. Noble, CE:Feb 79:73
A New Matrix Organization for a Design Firm, Gary D. Bates, Donald J. Junker and Gerald Roenker, Preprint No.80-533, Oct 80, 10pp.
Regional Waste Treatment Plant: The Consultant's View, William M. Bishop, Preprint No.80-613, Oct 80, 4pp.
What Can be Done to Boost the Efficiency of the Civil Engineering Profession?, CE:Oct 80:91

Consulting Engineers
C A D A E (Computer Aided Design & Engineering), Donald R. Johnston, SU80:June 80: 193
CAD System Developed by Urban Design Firm, Harvey H. Liss, CP80:June 80:619
Engineering Organizations as Project Managers, Frank P. Moolin, Jr. and Frieda A. McCoy, Preprint No.80-171, Apr 80, 26pp.
A/E Use of Computer Aids on Federal Projects, Ronald L. King, CP80:June 80:562
Management System for Large Engineering Firm, W. Dennis Moran, William F. Sommerfeld and R. Timothy Heatwole, TC1:Aug 80:41:15616
Managing Superprojects in the Public Sector: The Public Agency Consultant Team, Joel Wesselman, William J. Katz and Charles V. Gibbs, Preprint No.80-171, Apr 80, 16pp.
Organization and Control of Engineering Design Firms, Robert D. Logcher and Raymond E. Levitt, EI1:Jan 79:7:14302
A Quantitative Method for Analyzing the Allocation of Risks in Underground Construction, Raymond E. Levitt, CRLS:Jan 79:II-201
Reliability of Computer-Aided Design, Kolbjorn Saether, Harold R. Sandberg and Charles F. Beck, TC2:Dec 79:371:15069

Summary Session—A, Walter S. Douglas, CRLS:Jan 79:II-173
Water Resources Education Requirements of Engineering Firm, Alan H. Schultz and Richard A. Westmore, WR2:Sept 79:377:14858
1979 ASCE Salary Survey, Oscar R. George, Chmn., EI3:July 80:275:15568

Consulting Services
Organizational Development for Small Consulting Firms, Kenneth Gibble, EI3:July 79:143:14711

Contact Pressure
Approximate Approach to Contact Effects of Piles, Milos Novak and Mohammed Sheta, GTA80:Oct 80:53

Containerization
Math Model for Harbor Waves/Ship Motions/Moorings, Herman Bomze, PO80:May 80:624
Port Capacity Methodology — Simplified, John F. Warwar, PO80:May 80:203
Recent Design and Construction of Cargo Wharves, Robert R. Adams, MGC:July 80:75

Containers
Dynamic Of Low-Profile Ship Loading Container Cranes, Dr. Robert T. Ratay and Tibor Szegezdy, EM81:Jan 81:760

Containment
Bellefonte Primary Containment Structure, James H. Olyniec, Preprint No.80-548, Oct 80, 14pp.
Booms Used for Oil Slick Control, Y. Lam Lau and James R. Moir, EE2:Apr 79:369:14530

Containment Vessels
Accident and Seismic Containment Reliability, Michael N. Fardis, C. Allin Cornell and John E. Meyer, ST1:Jan 79:67:14305
Random Thermal Stress in Concrete Containments, Mahendra P. Singh and Robert A. Heller, ST7:July 80:1481:15542
Slipforming of Heavily Reinforced Concrete Shield Building, M. C. Hsieh and Jerome R. King, Preprint No.80-673, Oct 80, 15pp.

Contaminants
Overland/Instream Contaminant Migration Modeling, Stuart M. Brown and Yasuo Onishi, HYCO:Aug 80:397

Contamination
Biological Contamination of Finished Water Reservoirs, J. Sykora, Maurice A. Shapiro and G. Keleti, EE80:July 80:267
How New Jersey is Handling Its Hazardous Wastes, CE:Sept 79:81

Continental Shelves
Balancing Fish and Fuel on Georgia's OCS, Jeannette H. Phillips and James O. Barber, CZ80:Nov 80:1098
Fishing and OCS Energy Development — Charting a Course of Compatibility, Keith G. Hay, CZ80:Nov 80:335
Mapping and Surveying Florida's Submerged Lands, George M. Cole, CZ80:Nov 80:549
Marine Sanctuaries, A Controversial Concept, John K. Cassell, CZ80:Nov 80:1959
Modeling the Cumulative Onshore Effects of Offshore Oil and Gas Development, E. T. Smith and L. G. Hecht, Jr, CZ80:Nov 80:2083
Multiobjective Modeling for OCS Pipeline Systems, David Engberg, Jared Cohon and Charles ReVelle, CZ80:Nov 80:684
Problems Facing Alaska Outer Continental Shelf Resource Development, Robert J. Brock, Raymond R. Emerson and Gordon M. Euler, CZ80:Nov 80:1112
Proposed Gray's Reef Marine Sanctuary: A Case Study, Carrol N. Curtis and Jeannette H. Phillips, CZ80:Nov 80:1969
Scientific Collecting in South Florida: Problems with Permits, Eugene A. Shinn, CZ80:Nov 80:2017
A Strategy for State Participation in Outer Continental Shelf Exploration Decisions, Marie Murphy, CZ80:Nov 80:1078
The #53 Working Group: Local Participation in the Federal OCS Leasing Process, Ceila Lawren, CZ80:Nov 80:1087

Contingency
Frequency Analysis of Snow Course Data, Charles E. Brockway and H. F. Mayland, IRKB:July 80:368
Oil Pollution Still a Problem for America's Ports, Roy W. Hann, Jr., PO80:May 80:710

Continuing Education
ASCE Engineering Management Continuing Education Program: An Overview, R. Lawrence Whipple,, Jr., EI2:Apr 80:97:15353
Continuing Education in Engineering—What's New?, Kneeland A. Godfrey, Jr., CE:Feb 80:68
Engineering Management—University Extension, Alfred C. Ingersoll, EI2:Apr 80:89:15352
The Ethics of Maintaining Continued Professional Competence, John S. Bruce, EI2:Apr 79:85:14545
Is Continuing Education Worth the Effort?, Albert J. Morris, EI2:Apr 79:107:14506
Maintaining Competence in Engineering, E. Montford Fucik, EI2:Apr 78:101:13670
Management; Continuing Education; Minority Business Enterprise, CE:Jan 80:95
Managing Small Projects, Keith E. McKee, EI2:Apr 80:129:15367
Professional Reference Program, Gerard Cunningham, EI2:Apr 80:107:15354
Risks and Liabilities in Engineering Practice, John P. Gnaedinger, Walter E. Hanson and Narbey Khachaturian, EI4:Oct 79:207:14920

Continuity Equation
Constant and Variable Eddy Viscosity Flow Simulations in Settling Tanks, David R. Schamber and Bruce E. Larock, HYCO:Aug 80:345

Continuous Beams
Concrete Beams with Prestressed Elements, Manak B. Mawal, ST3:Mar 79:617:14463
Intercity Bridge: First Major U.S. Cable-Stayed Bridge, Arvid Grant, CE:June 79:71

Continuous Structures
Active Tendon Control of Structures, Jann-Nan Yang and Fanis Giannopoulos, EM3:June 78:551:13836
Natural Frequency of Curved Box Girder Bridges, Conrad P. Heins and M. A. Sahin, ST12:Dec 79:2591:15064
Tests on Microconcrete Continuous Folded Plates, Kaveti Seetharamulu and Sachchidanand N. Sinha, ST7:July 79:1457:14696
Thermal Stress Analysis of Continuous Skew Bridge, Fazlur Rahman and Kalankamary P. George, ST7:July 79:1525:14695

Continuum Hypothesis
Suspension Bridge Vibration: Continuum Formulation, Ahmed M. Abdel-Ghaffar, Preprint No.80-018, Apr 80, 22pp.

Continuum Mechanics
Continuum Model of Medium with Cracks, Mark Kachanov, EM5:Oct 80:1039:15750
Thermodynamics of Solidifying or Melting Viscoelastic Material, Zdenek P. Bazant, EM6:Dec 79:933:15041

Contour Farming
Combined Vegetative-Structural Slope Stabilization, Donald H. Gray, Andrew T. Leiser and Charles A. White, CE:Jan 80:82

Contour Furrows
Contour Furrowing as a Range Management Practice, Earl L. Neff and J. Ross Wight, IRKB:July 80:827

Contours
Computer Modeling of the Great Dismal Swamp, Vincent M. Caruso and James E. Paschal, Jr., CZ80:Nov 80:2308
Damsite Works Layout and Access Road Location, Keith A. Murley, ASDC:80:114
Location of Cross-Drainage Structures on Channels, John Russell Tregear, ASDC:80:137
A New Manual on Map Uses, Scales, and Accuracies, Carl B. Feldscher, SU1:Nov 80:143: 15853
Surfaces — Terrain Modeling and Contour Plotting, Philip L. Owen and William F. Blank, CP80:June 80:48
Water Pipeline Location, S. J. O'Keefe, ASDC:80: 131

Contract Administration
Construction Contract Staffing Needs, H. Randolph Thomas, Jr., Jack H. Willenbrock and James L. Burati, Jr., CO2:June 80:101:15481
Some Ideas for Reducing Subway Construction Costs, Thomas D. O'Rourke, CE:Nov 80:41
Utilization of Contract Administration Resources, H. Randolph Thomas, Jr., Jack H. Willenbrock and James L. Burati, Jr., CO2:June 80:117:15480

Contracting
Allocation of Risks — A, William S. Alldredge, CRLS:Jan 79:I-39
Allocation of Risks — A Contractor's View, Norman A. Nadel, CRLS:Jan 79:I-61
Allocation of Risks—C, R. K. McFarland, CRLS:Jan 79:II-64
Concept to Commissioning: How Risky the Trip?, Chauncey E. Burtch, CRLS:Jan 79:I-7
Construction Contract Arrangements, Solomon Ribakoff, CRLS:Jan 79:I-83
Construction Specifications — A One Book Deal, Joseph Goldbloom, Preprint No.80-048, Apr 80, 5pp.
Contractual Arrangements—A, Carroll H. Dunn, CRLS:Jan 79:II-85
Contractual Arrangements—C, Max E. Greenberg, CRLS:Jan 79:II-100
Contractual Arrangements for Construction, Louis W. Riggs, CRLS:Jan 79:I-101
Identification and Nature of Risks—D, Harry Sutcliffe, CRLS:Jan 79:II-40
Is Competitive Price Bidding for Professional Services Practical?, Alice Tulloch, EI1:Jan 80:57: 15120
Minimizing Risks and Mitigating Losses — B, David G. Hammond, CRLS:Jan 79:I-133
Minimizing Risks and Mitigating Losses—A, William Cullen, CRLS:Jan 79:II-127
Minimizing Risks and Mitigating Losses—C, Joe B. McNabb, CRLS:Jan 79:II-138
Minimizing Risks and Mitigating Losses—D, John A. McWhorter, CRLS:Jan 79:II-158
Minimizing Risks/Mitigating Losses, V. Wallace Ryland, CRLS:Jan 79:I-145
Project Management and Contractual Relationships, Samuel L. Hack, CRLS:Jan 79:I-73
Selecting a Cost-Plus Contractor — A Case Study, James E. Diekmann, Preprint No.80-057, Apr 80, 23pp.
Summary Session—D, David G. Hammond, CRLS: Jan 79:II-192

Contraction
Differential Movement in Composite Load-Bearing Masonry Walls, Clayford T. Grimm and David W. Fowler, ST7:July 79:1277:14666
Steady Flow Past Prism in Rectangular Conduit, Clyde C.K. Kwok and Pai Mow Lee, HY7:July 79: 845:14697

Contractors
Allocating Risk and Incentive in Construction, Raymond E. Levitt, David B. Ashley and Robert D. Logcher, CO3:Sept 80:297:15710
Allocation of Risks—B, Terence G. McCusker, CRLS:Jan 79:II-56
Allocation of Risks—C, R. K. McFarland, CRLS:Jan 79:II-64
Allocation of Risks—E, Woodrow W. Wilson, CRLS: Jan 79:II-73
Contractual Arrangements—A, Carroll H. Dunn, CRLS:Jan 79:II-85
Contractual Arrangements—D, Sammie D. Guy, CRLS:Jan 79:II-108
Cost of Environmental Impact Statements, Enno Koehn, Bradley Fallon, Fred Seling and Randall Young, CO4:Dec 79:331:15092
Current Equipment Practices of Utility Contractors, Jimmie Hinze and W. Bradford Ashton, CO3:Sept 79:225:14816
Evaluation of Contractor Comments on the Quality of Specifications, Maynard Charles Nugent, CO2: June 78:153:13801
Identification and Nature of Risks—A, W. Stell Huie, CRLS:Jan 79:II-15
Identification and Nature of Risks—B, J. K. Lemley, CRLS:Jan 79:II-28
Identification and Nature of Risks—C, Alfred C. Maevis, CRLS:Jan 79:II-35
Inflation — The Contractor's Enemy Too, William T. Peckham, Preprint No.80-097, Apr 80, 22pp.
A New Matrix Organization for a Contractor, Clyde B. Tatum, Preprint No.80-683, Oct 80, 22pp.
Rationale of Contract Awards and Contract Systems, Purushottam S. Gore, CO4:Dec 80:507:15888
Summary Report of Questionnaire on Specifications (Contractor Returns), Joseph Goldbloom, Chmn., CO3:Sept 78:353:14001
Summary Session—C, John P. Jellico, CRLS:Jan 79: II-184
The Trade Contractors' View of Construction Management, Donald S. Barrie, CO4:Dec 79:381: 15081

Contracts
Allocation of Risks—A, M. G. Johnson, CRLS:Jan 79:II-53
Allocation of Risks—D, George Ziegler, CRLS:Jan 79:II-69
Complex Problems with Separate Contracts System, Richard P. Maher, CO2:June 79:129:14614
Concept to Commissioning: How Risky the Trip?, Chauncey E. Burtch, CRLS:Jan 79:I-7
Construction Contract Study in Technical Education, Richard P. Maher, CO1:Mar 79:41:14446
Construction Cost Control by the Owner, Alfred C. Maevis, CO4:Dec 80:435:15915
Construction Risk: Who Pays?, Virginia Fairweather, CE:Apr 79:64
Construction Specifications: A One-Book Deal, Joseph Goldbloom, TN: CO4:Dec 80:601:15870
Contractual Arrangements—A, Carroll H. Dunn, CRLS:Jan 79:II-85
Contractual Arrangements—B, John P. Gnaedinger, CRLS:Jan 79:II-95
Contractual Arrangements—C, Max E. Greenberg, CRLS:Jan 79:II-100
Contractual Arrangements—D, Sammie D. Guy, CRLS:Jan 79:II-108
Contractual Arrangements for Construction, Louis W. Riggs, CRLS:Jan 79:I-101
The Effect of Contract Type on Inspector Liability, Lawrence J. Green, Preprint No.80553, Oct 80, 8pp.
Excavation of World's Largest Underground Powerhouse, Laurent Hamel and David Nixon, CO3:Sept 78:333:13995
"Government Contracts: Proposalmanship and Winning Stategies", CE:Apr 80:36
Guidelines for Successful Construction Management, Donald S. Barrie, CO3:Sept 80:237:15686
Identification and Nature of Risks—B, J. K. Lemley, CRLS:Jan 79:II-28
Impact of a Collective Bargaining Contract, Russel C. Jones, EI3:July 80:241:15560
Impact of Inspector's Experience on Liability, Merlin D. Kirschenman, Preprint No.80-514, Oct 80, 14pp.

Influence of Specifications Format on Contract Administration, Edward R. Fisk, Preprint No.80-007, Apr 80, 13pp.
Keynote Address, George A. Fox, CRLS:Jan 79:II-9
Minimizing Risks and Mitigating Losses — B, David G. Hammond, CRLS:Jan 79:I-133
Minimizing Risks and Mitigating Losses—A, William Cullen, CRLS:Jan 79:II-127
Minimizing Risks and Mitigating Losses—C, Joe B. McNabb, CRLS:Jan 79:II-138
Minimizing Risks and Mitigating Losses—D, John A. McWhorter, CRLS:Jan 79:II-158
Minimizing Risks/Mitigating Losses, V. Wallace Ryland, CRLS:Jan 79:I-145
Park River Auxiliary Tunnel, Edwin A. Blackey, Jr., CO4:Dec 79:341:15076
Project Management and Contractual Relationships, Samuel L. Hack, CRLS:Jan 79:I-73
A Quantitative Method for Analyzing the Allocation of Risks in Underground Construction, Raymond E. Levitt, CRLS:Jan 79:II-201
Rationale of Contract Awards and Contract Systems, Purushottam S. Gore, CO4:Dec 80:507:15888
Recommended Endorsement and Comments on NSPE/ACEC 1910-8 (1978) General Conditions, Robert D. Rowland, Chmn., CO2:June 79:157:14641
Report on Improving Construction Arbitrations, John W. Nichols, Chmn., CO1:Mar 79:1:14414
Setting Highway Construction Contract Duration, Donn E. Hancher and James E. Rowings, Preprint No.80-142, Apr 80, 22pp.
Summary Session—B, Henry J. Jacoby, CRLS:Jan 79:II-178
Utilization of Contract Administration Resources, H. Randolph Thomas, Jr., Jack H. Willenbrock and James L. Burati, Jr., CO2:June 80:117:15480
Water System Improvement Program in Eugene, Oregon, James H. Brown, TE6:Nov 80:685:15839
What to Do If You Think A Pile Claim Is Coming, Robert A. Rubin, CO4:Dec 78:503:14202

Contract Terms

Construction Risk: Who Pays?, Virginia Fairweather, CE:Apr 79:64
State DOT Personnel Administration, H. Randolph Thomas, Jr., Jack H. Willenbrock and James L. Burati, Jr., TE3:May 80:317:15418

Control

Active Control and Stability of Cable-Stayed Bridge, Jann-Nan Yang and Fanis Giannopoulos, EM4:Aug 79:677:14762
Active Control of Flexible Structures, Mohamed Abdel-Rohman and Horst H. Leipholz, ST8:Aug 78:1251:13964
Active Tendon Control of Structures, Jann-Nan Yang and Fanis Giannopoulos, EM3:June 78:551:13836
Practical Design of Pipeline Control & Flexibility, James J. Van Houtte, C080:80:121
Structural Control Using Active Tuned Mass Dampers, James C.H. Chang and Tsu T. Soong, EM6:Dec 80:1091:15882

Control Charts

Industrial Waste Monitoring: A Statistical Approach, Gerald W. Foess and Wayne St. John, EE5:Oct 80:947:15758

Control Structures

Drainage Design in a Riverine Floodplain System, Robert James Motchkavitz, HYUS:June 80:369
Equipment for Investigations of Fluvial Sediment, Paul C. Benedict, HY3:Mar 79:163:14407

Control Surveys

Three-Dimensional Densification for Local Control, Narendra K. Saxena and Alan P. Vonderohe, SU1:Nov 78:63:14129

Control Systems

All Metal Loading Arms for Bulk Liquid Handling, W. Kemper, PO80:May 80:661
An Interactive Construction Control System for Project Planning and Estimating, A. Fattah Chalabi, Thomas W. Staehr and Rafael Lai, CP80:June 80:140
Pitfalls of GSA-CMCS Software, Calin M. Popescu, CO1:Mar 79:95:14432

Control Theory

Automatic Active Control of Structures, Mohamed Abdel-Rohman and Horst H. Leipholz, ST3:Mar 80:663:15260
General Approach to Active Structural Control, Mohamed Abdel-Rohman and Horst H. Leipholz, EM6:Dec 79:1007:15047
Optimal Control of Civil Engineering Structures, Mohamed Abdel-Rohman, Victor H. Quintana and Horst H. Leipholz, EM1:Feb 80:57:15192

Convection

Unconditional Stability in Convection Computations, Victor Miguel Ponce, Yung Hai Chen and Daryl B. Simons, HY9:Sept 79:1079:14807
Underground Travel of Renovated Wastewater, Robert C. Rice and Peter Raats, EE6:Dec 80:1079:15912

Convergence

Convergence of Four-Point Implicit Water Wave Models, Victor Miguel Ponce, Horst Indlekofer and Daryl B. Simons, HY7:July 78:947:13890
Convergence of Implicit Bed Transient Models, Victor Miguel Ponce, Horst Indlekofer and Daryl B. Simons, HY4:Apr 79:351:14493

Conversion

Recommendations for use of SI Units in Hydraulics, Margaret S. Petersen, HY12:Dec 80:1981:15931

Conveyance Structures

Standards for Irrigation Efficiencies of ICID, Marinus G. Bos, IR1:Mar 79:37:14457

Convolution Integrals

Optimal Estimation of Convolution Integrals, Mircea Grigoriu and Niels C. Lind, EM6:Dec 80:1349:15940
Optimal Reliability Analysis by Fast Convolution, Niels C. Lind, EM3:June 79:447:14648

Cooling

Hybrid Cooling System Thermodynamics and Economics, Arthur R. Giaquinta, Thomas E. Croley, II and Tai-Dan Hsu, EY1:Apr 80:89:15319
Instability and Spacing of Cooling or Shrinkage Cracks, Abubakr A. Bazant and Abubakr A. Wahab, EM5:Oct 79:873:14933
Water Temperature Mapping by Infrared Scanner, James B. Evans, AS80:Aug 80:118

Cooling Systems

Density Currents in Sidearms of Cooling Ponds, Subhash C. Jain, EY1:Apr 80:9:15320
Evaluation of Compliance Criteria for River Plumes, Pauly P. Paily, HYCO:Aug 80:142
Heat Loss from Sidearms of Cooling Lakes, Terry W. Sturm and John F. Kennedy, HY5:May 80:783:15398
Performance of Power Plant Cooling Lakes in Poland, Mieczyslaw Gadkowski and Bruce A. Tichenor, EY1:Apr 80:1:15326
Thermal Structure of Cooling Ponds, Gerhard H. Jirka, HY5:May 80:701:15412
Transient Analysis for Shallow Cooling Ponds, E. Eric Adams and Antonis D. Koussis, EY2:Oct 80:141:15737
Use of a Scale Model to Improve Pond Circulation, William A. Rozeboom, HYCO:Aug 80:1
Use of Porous Dike to Reduce Entrainment and Entrapment in Power Plant Cooling Water Systems, Barry A. Ketschke, CZ80:Nov 80:649

Cooling Towers
Buckling of Stiffened Hyperboloidal Cooling Towers, Ihsan Mungan and Otto Lehmkamper, ST10:Oct 79:1999:14917
Buckling Stresses of Stiffened Hyperboloidal Shells, Ihsan Mungan, ST8:Aug 79:1589:14775
Construction and Design of Large Cooling Towers, Wolfgang Zerna and Ihsan Mungan, ST2:Feb 80: 531:15217
Cooling Tower Pump Intakes, Gary Fain, Robert Cornman and Fred Antunes, Preprint No.80-651, Oct 80, 15pp.
Cooling Towers Using Measured Wind Data, Prodyot K. Basu and Phillip L. Gould, ST3:Mar 80:579: 15259
Cooling Towers with Circumferential Imperfections, Charles P. Ellinas, James G.A. Croll and Kenneth O. Kemp, ST12:Dec 80:2405:15910
Direct Explicit Formulation for Approach to Wet Bulb, John C. Sonnichsen, Jr. and Edward C. Strozyk, EY1:Jan 79:63:14289
Meridional Imperfection in Cooling Tower, Adam Al-Dabbagh and Ajaya K. Gupta, ST6:June 79: 1089:14636
Meridionally Imperfect Cooling Towers, James G.A. Croll, Fevzi Kaleli and Kenneth O. Kemp, EM5: Oct 79:761:14895
Study of Cable-Net Natural Draft Cooling Towers, Charles Birnstiel, Nicholas F. Morris and John J. Jonatowski, Preprint No.80-080, Apr 80, 22pp.
Tornado Wind Effects On The Grand Gulf Cooling Towers, T. Theodore Fujita, EM81:Jan 81:555
West Virginia Cooling Tower Collapse Caused by Premature Form Removal, Hai S. Lew, CE:Feb 80: 62
Willow Island Aftermath: The Limits of OSHA, Allen Morrison, CE:Mar 80:68
Wind Effects on Cooling-Tower Shells, Hans-Jurgen Niemann, ST3:Mar 80:643:15251
Wind Loading and Response of Cooling Towers, Norman J. Sollenberger, Robert H. Scanlan and David P. Billington, ST3:Mar 80:601:15281
Wind Loading on Cooling Towers, John Armitt, ST3: Mar 80:623:15282

Cooling Water
Cooling Impoundments: Classification and Analysis, Gerhard H. Jirka and Donald R.F. Harleman, EY2: Aug 79:291:14779
Design Criteria for Cooling-Water Outlet Structures, Michael Schatzmann and Eduard Naudascher, HY3:Mar 80:397:15239
Dye-Vector Flow Visualization—Cooling Water Model, Volker W. Harms and Robert L. Wiegel, WW3:Aug 79:293:14767
Impact of Vertical Scale Distortion on Turbulent Mixing in Physical Models, Benjamin R. Roberts and Robert L. Street, HYCO:Aug 80:261
Mathematical Model for Staged Diffuser Discharge, Dominique N. Brocard, Charles H. Beauchamp and Shih-Kuan Hsu, HYCO:Aug 80:154
Optimizing Cooling Policy for System Power Plant, Leighton Lum and Larry W. Mays, EY1:Jan 79: 137:14334
Performance of Power Plant Cooling Lakes in Poland, Mieczyslaw Gadkowski and Bruce A. Tichenor, EY1:Apr 80:1:15326
Persistence of Chlorine in Cooling Water from Electric Generating Station, G. Fred Lee, EE4:Aug 79:757:14777
Reuse of Power Plant Effluent for Crop Production, W. A. Jury, Jr., H. J. Vaux and L. H. Stolzy, IRKA:July 80:188
Steady-State Estimation of Cooling Pond Performance, Gerhard H. Jirka and Masataka Watanabe, TN: HY6:June 80:1116:15449
Transient Analysis for Shallow Cooling Ponds, E. Eric Adams and Antonis D. Koussis, EY2:Oct 80: 141:15737
Use of Porous Dike to Reduce Entrainment and Entrapment in Power Plant Cooling Water Systems, Barry A. Ketschke, CZ80:Nov 80:649
Water Use For Electric Power Generation, David M. Snyder, K. T. Mao and Robert D. Glynn, Jr., EFHYF:Mar 79:400
Wind-Driven Flow in Mississippi River Impoundment, Heinz G. Stefan and Keith J. Anderson, HY9:Sept 80:1503:15699

Cooperation
Day-to-Day Management of Large Engineering Projects and Consortiums, Frank G. Jenes and Rodney D. Stroope, Preprint No.80-171, Apr 80, 21pp.
Managing Joint Ventures for Large Construction Projects, James L. Lammie and D. P. Shah, Preprint No.80-171, Apr 80, 21pp.
To Joint Venture, Or Not — Is It For Your Firm?, Duncan M. Black, Preprint No.80-171, Apr 80, 31pp.

Cooperative Education
The AccEL Program: Retreading the B.S. Degree, Carol Rubin, EI4:Oct 80:339:15729

Coordinates
Landsat Image Processing and Mapping Techniques and Their Utility for Civil Engineering Applications (Abstract), Donald R. Morris-Jones and Mervyn B. Walsh, AS80:Aug 80:182
Photogeodesy, James Collins, ASDC:80:309

Coordination
Coordinating Tall Building Development, Leonard I. Ruchelman, UP1:Nov 80:89:15857
Delays in Construction of Nuclear Power Plants, Parviz F. Rad, EY1:Jan 79:33:14287
Flood Emergency Evacuation Plans, Ronald E. Hilton, HYUS:June 80:56

Copper Dichromate
Design and Construction of the Greenborough Footbridge, H. R. Carlin-Smith, MGC:July 80:290

Coral Reefs and Islands
Coral Reef Protection During Beach Restoration in Florida, Richard Spadoni and Arthur V. Strock, CZ80:Nov 80:152

Cores (Dams)
Cracking, Leakage, and Erosion of Earth Dam Materials, Erik I. Hjelmes and Bhagwat V.K. Lavania, GT2:Feb 80:117:15220

Core Walls
Torsion of Core Walls of Nonuniform Section, Te-Chang Liauw and Wang-Kwong Luk, ST9:Sept 80: 1921:15707

Corporations
Engineers and the Professional Corporation, William S. Feiler, EI3:July 80:219:15543

Correlation
Dissolved Solids from Appalachia Coal Mining, Jack D. Generaux and Keith O. Eggleston, IRKB:July 80:607

Correlation Analysis
Design of Length of Water Resource Simulation Experiments, Guillermo J. Vicens and John C. Schaake,, Jr., WR1:Mar 80:333:15280
Effects of Correlation on Extreme Wind, Mircea Grigoriu, Preprint No.80-677, Oct 80, 9pp.
Spurious Correlation in Dimensional Analysis, Khalid Mahmood and M. M. Siddiqui, EM1:Feb 80:93: 15198

Correlation Techniques
Anisotropic Shear Modulus due to Stress Anisotropy, Stephan K. Roesler, GT7:July 79:871:14692

Corrosion
East Mesa Geothermal Test Site, Wayne A. Fernelius and Martin K. Fulcher, EE1:Feb 79:13:14361

New Aluminum Structural Materials for the 1980's, William F. Bates, Jr., TE6:Nov 80:845:15859
Physical Model for Steel Corrosion in Concrete Sea Structures—Theory, Zdenek P. Bazant, ST6:June 79:1137:14651
Physical Model for Steel Corrosion in Concrete Sea Structures—Application, Zdenek P. Bazant, ST6: June 79:1155:14652
Structural Details and Bridge Performance, William G. Byers, ST7:July 79:1393:14678

Corrosion Control
Observations on Mortar Lining of Steel Pipelines, Samuel Aroni and G. Louis Fletcher, TE6:Nov 79: 667:14966

Corrosion Currents
Physical Model for Steel Corrosion in Concrete Sea Structures—Theory, Zdenek P. Bazant, ST6:June 79:1137:14651
Physical Model for Steel Corrosion in Concrete Sea Structures—Application, Zdenek P. Bazant, ST6: June 79:1155:14652

Corrosion Resistance
Design of Plastics Structural Components: Proposed ASCE Manual, Frank J. Heger, Richard E. Chambers and Albert G.H. Dietz, TC2:Dec 79:429: 15025

Corrugated Metal Pipe
Turbulence in Helically Corrugated Pipe Flow, Edward Silberman, EM4:Aug 80:699:15633

Corrugated Metal Pipes
Design and Construction of Long-Span Metal Culverts, Ernest T. Selig, John F. Abel, Fred H. Kulhawy and William E. Falby, CE:Mar 79:68

Corrugating
Friction Factors for Corrugated Plastic Drainage Pipe, Ross W. Irwin and Jiri Motycka, IR1:Mar 79: 29:14424
Simplified Design of Corrugated Shear Diaphragms, Kinh H. Ha, Noor El-Hakim and Paul P. Fazio, ST7:July 79:1365:14681

Cost Allocation
Distribution of Urban Transportation Costs, Chris Hendrickson and John Pucher, UT79A:July 79:81
A Strategy for Financing Coastal Erosion Control, Waldon R. Kerns and Janet Scheid, CZ80:Nov 80: 19
Transportation Cost Allocation Model Development, Walter Cherwony and Subhash R. Mundle, TE1:Jan 80:31:15139

Cost Analysis
Distributing Regional Services Costs, Lewis A. Rossman and Patricia Ann Graham, UP1:Jan 79:51: 14284
Pumping Energy Reduction by Modified Cost Analysis, Shu-Tung Chu, TN: IR2:June 80:149: 15450
User Cost Analysis in Urban Freeway Rehabilitation, Timothy R. Neuman, TE6:Nov 79:623:14990

Cost Control
Computerized Cost Control of Nuclear Power Plants, Daniel W. Halpin, CO4:Dec 79:305:15036
Construction Cost Control by the Owner, Alfred C. Maevis, CO4:Dec 80:435:15915
Linear Programming Solution to Network Compression, Srilal Perera, CO3:Sept 80:315:15680

Cost Effectiveness
The Computer Service Bureau: What Role Today?, Michael P. Ingardia, CE:Apr 79:76
Cost Effective Water Quality Monitoring, Stanley L. Ponce, E. Thomas Bartlett and Corey P. Wong, IRKB:July 80:530
Developing Optimal River Basin Solutions for Alleviating Environmental Impacts from Irrigated Agriculture, Wynn R. Walker and Gaylord V. Skogerboe, IRKA:July 80:228
Dynamic Seismic Analysis: Economic Considerations, C. K. McDonald, ST7:July 80:1531:15571
Economic Potential of Tunnel Standardization, Delon Hampton and Terence G. McCusker, CO3:Sept 80: 247:15668
Effectiveness Evaluations—An Engineer's View, Harry E. Strate, HW80:Mar 80:71
Erosion Modeling Approaches for Construction Sites, Richard C. Warner and Benjamin C. Dysart, III, IRKB:July 80:465
Gillette-Madison Water Project Optimal Design, William E. West, Glen Taylor and Vance G. Lee, IRKA:July 80:431
Landsat Imagery for Hydrologic Modeling?, Richard S. Taylor, Robert P. Shubinski and T. S. George, AS80:Aug 80:44
Locating Reservoirs with Landsat: "A Texas Example", E. Charles Palmer, Samuel D. McCulloch and A. E. Richardson, ASDC:80:11
Minimizing Risks and Mitigating Losses—A, William Cullen, CRLS:Jan 79:II-127
National Highway Safety Program Effectiveness, Thomas A. Hall, TE4:July 78:449:13878
National Wetlands Inventory Project, Bill O. Wilen and Rudolf Nyc, CZ80:Nov 80:1847
Numerical Aid to Reduce Construction Injury Losses, Lawrence I. Knab, CO4:Dec 78:437:14213
Optimization of Stormwater Management Practices, Mark M. Calabrese, HYUS:June 80:183
A Practical Intergovernmental Coordination Program, Morgan R. Rees, CZ80:Nov 80:1984
A Procedure for Evaluating Program Alternatives, Robert B. McDonald, CZ80:Nov 80:1768
Recent Safety Developments in Vehicles, King K. Mak, HW80:Mar 80:199
Regional Resource Recovery Center Cost Analysis, Paul L. Bishop, Elizabeth Howard, Marcia Flinkstrom, Cindy White and Robert Cook, EE5: Oct 80:977:15760
RPI's Computer Graphics Installation, Larry J. Feeser, CP80:June 80:391
Salinity Control Planning Framework, Gaylord V. Skogerboe, Wynn R. Walker and Robert G. Evans, WR2:Sept 79:329:14849
A Specialized Processor for Structural Analysis, George R. Cameron, CP80:June 80:267
Stationary and Mobile Source Controls and Tradeoffs, Salvatore J. Bellomo and Jawaharlal Mehra, CAAA:Nov 79:153
Storm Water Treatment with Minor Plant Alterations, George R. Brower, Robert H. Brotherton and John B. Kincaid, EE80:July 80:472
Transportation Cost Allocation Model Development, Walter Cherwony and Subhash R. Mundle, TE1:Jan 80:31:15139
Urban Transportation Financing Today, Thomas D. Larson and William C. Underwood, UT79A:July 79:5
Wastewater Treatment Costs: Home Conservation Effects, Wallace J. Hopp and William P. Darby, Preprint No.80-098, Apr 80, 20pp.

Cost Engineering
The Attributes of Computer Relative to Cost Engineering, Newton F. True, Preprint No.80-537, Oct 80, 14pp.
Park River Auxiliary Tunnel, Edwin A. Blackey, Jr., CO4:Dec 79:341:15076

Cost Estimates
CAPDET—Cost Estimating for Wastewater Treatment, M. John Gullinane, Jr., CP80:June 80: 320
Construction Cost Estimating in the Design Process, George S. Birrell, CO4:Dec 80:551:15880
Cost Estimating System Used on Dade County Rapid Transit System, Joseph E. Baumie, Preprint No.80-627, Oct 80, 17pp.

An Interactive Construction Control System for Project Planning and Estimating, A. Fattah Chalabi, Thomas W. Staehr and Rafael Lai, CP80:June 80: 140
Transportation Cost Allocation Model Development, Walter Cherwony and Subhash R. Mundle, TE1:Jan 80:31:15139

Cost Minimization
Least-Cost Design of Urban-Drainage Networks, Syver Froise and Stephen J. Burges, WR1:Nov 78: 75:14159

Cost Plus Contracts
Selecting a Cost-Plus Contractor — A Case Study, James E. Diekmann, Preprint No.80-057, Apr 80, 23pp.

Costs
Allocation of Risks—B, Terence G. McCusker, CRLS:Jan 79:II-56
Anaerobic Digestion of Waste and Activated Sludge, James M. Gossett and Roy L. Belser, EE80:July 80:33
Campbellsville, Ky. First Plant in U.S. to Use Carrousel Process, CE:May 79:65
Comparison of Tangibles and Intangibles, Ian G. Wallis, EE4:Aug 78:625:13959
Concrete Production on Nuclear Power Plant Projects, H. Randolph Thomas, Jr., Jack H. Willenbrock and James L. Burati, Jr., CO3:Sept 80: 327:15703
Conference Summary, George ? Beetle, UT79A:July 79:1
Construction Equipment Downtime Costs, V. Pathmanathan, TN: CO4:Dec 80:604:15870
Contractual Arrangements—A, Carroll H. Dunn, CRLS:Jan 79:II-85
Contractual Arrangements—C, Max E. Greenberg, CRLS:Jan 79:II-100
Contractual Arrangements—E, Martin N. Kelley, CRLS:Jan 79:II-113
Cost Interactions in Activated Sludge Systems, Michael K. Stenstrom and John F. Andrews, EE4: Aug 80:787:15627
Cost of Environmental Impact Statements, Enno Koehn, Bradley Fallon, Fred Seling and Randall Young, CO4:Dec 79:331:15092
Cost of Water Supply: Selected Case Studies, Robert M. Clark, John A. Machisko and Richard G. Stevie, EE1:Feb 79:89:14365
Cost Optimization of Buildings, Alan D. Russell and Khalid T. Choudhary, ST1:Jan 80:283:15125
Designing for Deficit Irrigation, Marshall J. English and G. S. Nuss, IRKA:July 80:312
Distribution of Urban Transportation Costs, Chris Hendrickson and John Pucher, UT79A:July 79:81
Drain Construction on The Columbia Basin Project, Richard Jack Christopher and Keith Campbell, IRKA:July 80:280
Economic Analysis of Granular-Bed Filtration, Raymond D. Letterman, EE2:Apr 80:279:15337
Energy and Costs for Agricultural Reuse of Wastewater, R. S. Sletten, Sherwood C. Reed and Eddie J. Middlebrooks, EE80:July 80:339
Establishing a Company Computer Network, Glenn S. Orenstein, TC2:Dec 79:363:15080
Estimating Masonry Wall and Column Costs, Clayford T. Grimm, CO4:Dec 77:627:13413
A/E Use of Computer Aids on Federal Projects, Ronald L. King, CP80:June 80:562
Faults in Swedish and American Tunnel Practice: A Fable, Thomas R. Kuesel, CE:Jan 79:74
Freight Pipeline, Rail, and Truck Cost Comparison, Iraj Zandi, John A. Warner and Ronald Mersky, TE4:July 79:411:14703
Hazardous Location Program, Edwin M. Smith, HW80:Mar 80:109
Land Records: Costs, Issues and Requirements, James L. Clapp and Bernard J. Niemann, Jr., SU80: June 80:1
Land Records Management In North Carolina, Donald P. Holloway and Ronald F. Scott, SU80: June 80:33
Largest Rotating Biological Contactor Plant Also First to Remove Nitrogen, Eugene E. Dallaire, CE: Jan 79:70
A Marine Terminal for Exportation of Slurried Coal, R. B. Jacques and P. K. Johnson, PO80:May 80:32
Microprocessor Traffic Controllers, Joseph Roehl, CP80:June 80:548
Modeling Combined Sewer Storage Alternatives, Gregory L. Shahabian, Anthony J. Graham and George E. Kamedulski, EE80:July 80:480
New Use for Filter Fabric: Highway Construction, CE:Oct 79:55
Optimal Capacity of Municipal Water Supply Pumps, Trevor C. Hughes, WR2:Sept 79:317:14846
Optimization in Design of Pumping Systems, Arun K. Deb, EE1:Feb 78:127:13543
Rationale of Contract Awards and Contract Systems, Purushottam S. Gore, CO4:Dec 80:507:15888
Reclamation of Abandoned Mine Site, James R. Johnson, EE3:June 79:597:14629
Risk of Catastrophic Failure of Major Dams, Don Rose, TN: HY9:Sept 78:1349:13984
Sewage Treatment Costs: Assessing the Impact on Communities, Lawrence B. Cahill and Heather L. Burns, EE80:July 80:191
Soap Films, Steiner Trees and Water Systems, Chan F. Lam and Pramod R. Bhave, HYCO:Aug 80:221
Stationary and Mobile Source Controls and Tradeoffs, Salvatore J. Bellomo and Jawaharlal Mehra, CAAA:Nov 79:153
A Structural Resource Management System, Daniel C. Kaufman, CP80:June 80:369
Stub Girders Cut Steel Use, CE:Oct 79:70
Technical Aspects of Marine Terminal Simulation, P. E. Thompson and T. M. Davis, PO80:May 80:256
Water Reuse Markets and Project Costs in Southern California, Frank A. Grant, Norman G. Hixson, Paul Teigen and E. Wiley Horne, EE80:July 80:640
Zero Discharge Waste Management for a Coal-Fired Power Plant under Environmental and Resource Constraints, R. T. Fellman, M. F. Kuo, H. H. Yeh and J. F. Fitzpatrick, EE80:July 80:221

Cost Savings
Allocation of Risks—C, R. K. McFarland, CRLS:Jan 79:II-64
Evaluation of Specification of Questionnaire Returns, Edwin Jones, CO2:June 80:169:15492
Identification and Nature of Risks—C, Alfred C. Maevis, CRLS:Jan 79:II-35
Risk and Liability: The Owner's View, Max W. Strauss, CRLS:Jan 79:I-25

Cost Sharing
Regional Versus Local Water Supply Planning in the Metro Washington, D.C. Area, James E. Crews, Preprint No.80-589, Oct 80, 9pp.

Cotton
Irrigation of Cotton with Saline Drainage Water, James D. Rhoades, Stephen L. Rawlins and C. J. Phene, Preprint No.80-119, Apr 80, 20pp.
Response of Cotton to Brackish Irrigation Water (Abstract), Stephen L. Rawlins and James D. Rhoades, IRKA:July 80:197

Cotton Plants
Response of Cotton to Brackish Irrigation Water (Abstract), Stephen L. Rawlins and James D. Rhoades, IRKA:July 80:197

Counseling
The Making of Minority Engineers, Lee Browne, CE: Oct 80:131

County Government
Impact of Federal Highway Policy on County Road Programs, Robert A. Larson, TE1:Jan 79:23:14319

Cracking
Assessment of Expansive Soils in the United States, James P. Krohn and James E. Slosson, SLS:June 80:596

Blunt Crack Band Propagation in Finite Element Analysis, Zdenek P. Bazant and Luigi Cedolin, EM2:Apr 79:297:14529
Concrete Reinforcing Net: Safe Design, Zdenek P. Bazant, Tatsuya Tsubaki and Ted B. Belytschko, ST9:Sept 80:1899:15705
Cracking and Construction Blasting: Importance of Frequency and Free Response, Charles H. Dowding and P. G. Corser, Preprint No.80-175, Apr 80, 36pp.
The Cracking and Fracture of Mortar, Sidney Mindess and Sidney Diamond, FIC:Oct 80:15
Cracking in Concrete Pavements, Robert C. Deen, James H. Havens, Assaf S. Rahal and W. Vernon Azevedo, TE2:Mar 80:155:15273
Cracking, Leakage, and Erosion of Earth Dam Materials, Erik I. Hjeldnes and Bhagwat V.K. Lavania, GT2:Feb 80:117:15220
Dowel Action in Concrete Beams Subject to Torsion, Mahmoud A. Reda Youssef and Alfred G. Bishara, ST6:June 80:1263:15455
Fatigue Tests of 3-yr Weathered A588 Steel Weldment, Pedro Albrecht and Ian M. Friedland, ST5:May 80:991:15415
Fire Response of Reinforced Concrete Slabs, Zuhayr Nizamuddin and Boris Bresler, ST8:Aug 79:1653:14784
Fracture Mechanics of Reinforced Concrete, Zdenek P. Bazant and Luigi Cedolin, EM6:Dec 80:1287:15917
Instability and Spacing of Cooling or Shrinkage Cracks, Abubakr A. Bazant and Abubakr A. Wahab, EM5:Oct 79:873:14933
A Plastic-Fracture Model for Concrete, S. S. Hsieh, Edward C. Ting and Wai F. Chen, FIC:Oct 80:50
Prestressed Concrete Members in Direct Tension, Robert J. Wheen, ST7:July 79:1471:14693
The Pretreatment of Clay Soils for Road Construction, D. H. van der Merwe, F. Hugo and A. P. Steyn, SLS:June 80:361
Rough Cracks in Reinforced Concrete, Zdenek P. Bazant and Pietro Gambarova, ST4:Apr 80:819:15330
Slip-Dilatancy Model for Cracked Reinforced Concrete, Zdenek P. Bazant and Tatsuya Tsubaki, ST9:Sept 80:1947:15704
Torsion in Spandrel Beams, M. Abdul Mansur and B. Vijaya Rangan, ST7:July 78:1061:13861

Cracking (Fracturing)

The Cracking and Fracture of Mortar, Sidney Mindess and Sidney Diamond, FIC:Oct 80:15
Determination of Fracture Toughness of Concrete, M. M. Kim, Hon-Yim Ko and Kurt H. Gerstle, FIC:Oct 80:1
Evaluation of Fracture Techniques in Cementitious Composites, K. Visalvanich and Antoine E. Naaman, FIC:Oct 80:65
Failure of Riveted and Forge-Welded Penstock, Charles J. Trenkle, EY1:Jan 79:93:14283
A Plastic-Fracture Model for Concrete, S. S. Hsieh, Edward C. Ting and Wai F. Chen, FIC:Oct 80:50
Resistance to Crack Growth in Portland Cement Composites, Methi Wecharatana and Surendra P. Shah, FIC:Oct 80:82

Crack Initiation

The Cracking and Fracture of Mortar, Sidney Mindess and Sidney Diamond, FIC:Oc. 80:15

Crack Propagation

Blunt Crack Band Propagation in Finite Element Analysis, Zdenek P. Bazant and Luigi Cedolin, EM2:Apr 79:297:14529
The Cracking and Fracture of Mortar, Sidney Mindess and Sidney Diamond, FIC:Oct 80:15
Determination of Fracture Toughness of Concrete, M. M. Kim, Hon-Yim Ko and Kurt H. Gerstle, FIC:Oct 80:1
Fracture Mechanics of Reinforced Concrete, Zdenek P. Bazant and Luigi Cedolin, FIC:Oct 80:28
Fracture Mechanics of Reinforced Concrete, Zdenek P. Bazant and Luigi Cedolin, EM6:Dec 80:1287:15917
Quinnipiac River Bridge Cracking, John W. Fisher, Alan W. Pense, Hans Hausammann and George R. Irwin, ST4:Apr 80:773:15343
Rough Cracks in Reinforced Concrete, Zdenek P. Bazant and Pietro Gambarova, ST4:Apr 80:819:15330
Stable Growth of Surface Cracks, George C. Sih and Bruce V. Kiefer, EM2:Apr 80:245:15346

Cracks

Bending of Strip with Semielliptic Notches or Cracks, Norio Hasebe, EM6:Dec 78:1433:14248
Continuum Model of Medium with Cracks, Mark Kachanov, EM5:Oct 80:1039:15750
Detection Of Fatigue Cracks In Structural Members, E. Kummer, J. C. S. Yang and N. Dagalakis, EM81:Jan 81:445
Failure of Riveted and Forge-Welded Penstock, Charles J. Trenkle, EY1:Jan 79:93:14283
Shear Stiffness of Concrete by Finite Elements, Michael N. Fardis and Oral Buyukozturk, ST6:June 80:1311:15463
Shear Transfer in Cracked Reinforced Concrete, Richard N. White, Peter Gergely and Rafael Jiminez, Preprint No.80-115, Apr 80, 19pp.
Shear Transfer in Reinforced Concrete with Small Crack Widths, Hans W. Reinhardt and Joost C. Walraven, Preprint No.80-012, Apr 80, 20pp.
Stable Growth of Surface Cracks, George C. Sih and Bruce V. Kiefer, EM2:Apr 80:245:15346

Cranes

Dynamic Of Low-Profile Ship Loading Container Cranes, Dr. Robert T. Ratay and Tibor Szegezdy, EM81:Jan 81:760

Cranes (Hoists)

The Cracking and Fracture of Mortar, Sidney Mindess and Sidney Diamond, FIC:Oct 80:15

Crash Research

Amelioration of Roadside Obstacle Crashes, Paul H. Wright and Leon S. Robertson, TE6:Nov 79:609:14974
Meaningful Highway Accident Data—A Commitment is Needed, Roy W. Anderson, HW80:Mar 80:12

Crazing

Craze-Yielding Structural Plastics: Toughness Measurement, Ray D. Hoffman, TC2:Dec 79:271:15038

Creep

Approximate Relaxation Function for Concrete, Zdenek P. Bazant and Sang-Sik Kim, ST12:Dec 79:2695:15083
Composite Columns Under Sustained Load, Russell Q. Bridge, ST3:Mar 79:563:14442
Creep Damage to Structures on Expansive Clay Slopes, Robert L. Lytton and Larry D. Dyke, SLS:June 80:284
Creep Strain Accumulation Under Random Loading, Chavali V.S. Kameswara Rao, TN: EM6:Dec 78:1457:14198
Differential Movement in Composite Load-Bearing Masonry Walls, Clayford T. Grimm and David W. Fowler, ST7:July 79:1277:14666
Fire Response of Reinforced Concrete Slabs, Zuhayr Nizamuddin and Boris Bresler, ST8:Aug 79:1653:14784
Nonlinear Creep Buckling of Reinforced Concrete Columns, Zdenek P. Bazant and Tatsuya Tsubaki, ST11:Nov 80:2235:15811
Nonlinear Creep of Concrete—Adaptation and Flow, Zdenek P. Bazant and Sang-Sik Kim, EM3:June 79:429:14654
Restrained Warping in Free-Standing Staircases, Erling A. Smith, TN: ST3:Mar 80:734:15231
Viscoelasticity of Solidifying Porous Material—Concrete, Zdenek P. Bazant, EM6:Dec 77:1049:13432

Viscoplasticity and Creep of Three-Bar Linkage, Terry D. Hinnerichs and Anthony N. Palazotto, TN: EM3:June 80:567:15448

Creep Tests
Creep of Coated Reinforcing Bars in Concrete, James R. Clifton, Robert G. Mathey and Erik D. Anderson, ST10:Oct 79:1935:14911

Cretaceous Period
Load Tests on Piles Driven into Cretaceous Sand, Richard E. Ackley and Richard L. Sanders, GTDF: 80:1

Criteria
Reliability Based Criteria for Reinforced Concrete Design, Bruce R. Ellingwood, ST4:Apr 79:713: 14480

Critical Path Method
Construction/Engineering Management: A Comparison, Steven S. Pinnell, El4:Oct 80:405: 15779
Construction Planning—Beyond the Critical Path, George S. Birrell, CO3:Sept 80:389:15684
Critical Path Scheduling: An Overview, Steven S. Pinnell, CE:July 80:66
Development Planning and Scheduling Model, Calin M. Popescu and James A. Wilson, UP1:Jan 79:25: 14321
Simulation of Construction Project Duration, Robert I. Carr, CO2:June 79:117:14607
Terminal Usage of Batch Programs in Highway Design, Conrad G. Keyes, Jr., John Minor and Kenneth R. White, CP80:June 80:350

Critical Pressure
Buckling of Spherical Viscoelastic Shells, A. M. Vinogradov and Peter G. Glockner, ST1:Jan 80:59: 15116

Critical Temperature
Collapse Temperature of Steel Structures, Joel Kruppa, ST9:Sept 79:1769:14836

Critical Velocity
Sand Motion Initiation by Waves: Two Asymptotes, Robert Hallermeier, WW3:Aug 80:299:15603

Crop Moisture Index
Evapotranspiration under Depleting Soil Moisture, Wiboon Boonyatharokul and Wynn R. Walker, IR4: Dec 79:391:15018

Crop Production
Crop-Water Production Functions in Economic Analysis, Harry Ayer, Paul Hoyt and Melvin L. Cotner, IRKA:July 80:336
Production Functions for Tomatoes as Affected by Irrigation and Row Spacing, W. O. Pruitt, A. A. Kamgar, D. W. Henderson and Robert M. Hagan, IRKA:July 80:346
Reuse of Power Plant Effluent for Crop Production, W. A. Jury, Jr., H. J. Vaux and L. H. Stolzy, IRKA:July 80:188
Water Management Improves with Systems Application, Linus B. Losh, CE:Aug 79:54

Crop Response
Crop Response Information for Water Institutions, Gary D. Lynne and Roy R. Carriker, IR3:Sept 79: 221:14814

Crops
Remotely Sensed Crop Temperatures and Reflectances as Inputs to Irrigation Scheduling, R. D. Jackson, S. B. Idso, R. J. Reginato and P. J. Pinter, Jr., IRKA:July 80:390

Crop Yield
Crop-Water Production Functions in Economic Analysis, Harry Ayer, Paul Hoyt and Melvin L. Cotner, IRKA:July 80:336
Production Functions for Tomatoes as Affected by Irrigation and Row Spacing, W. O. Pruitt, A. A. Kamgar, D. W. Henderson and Robert M. Hagan, IRKA:July 80:346
Response of Cotton to Brackish Irrigation Water (Abstract), Stephen L. Rawlins and James D. Rhoades, IRKA:July 80:197
Reuse of Power Plant Effluent for Crop Production, W. A. Jury, Jr., H. J. Vaux and L. H. Stolzy, IRKA:July 80:188
Tile Drainage of Irrigated Till Soils in Alberta, B. A. Paterson and D. Brook Harker, IRKA:July 80:263

Crossings
Water System Improvement Program in Eugene, Oregon, James H. Brown, TE6:Nov 80:685:15839

Cross Sections
Airborne Laser Acquisition of Cross-Section Data, John G. Collins and William B. Krabill, AS80:Aug 80:175
Hydraulic Geometry Coefficients of Floodplains, Nani G. Bhowmik, HYCO:Aug 80:86
Minimum-Weight Design of Nonuniform Beams, Erling A. Smith, TN: ST7:July 79:1559:14664
A Model Structure for Stream Systems, John B. Stall, HYCO:Aug 80:98
Riverbed Improves over Time: South Fork Salmon, Walter F. Megahan, William S. Platts and Bert Kulesza, IRKB:July 80:380
Surfaces — Terrain Modeling and Contour Plotting, Philip L. Owen and William F. Blank, CP80:June 80:48

Crude Oil
Distribution of Oil Pollution Residues, Ian A. Furzer, EE6:Dec 80:1171:15904
Evaluation of Deepwater Oil Terminals: A Case Study, C. Michael Walton, MGC:July 80:85
Impact of Energy on Future Transportation Systems, Robert L. Maxwell, TE4:July 80:415:15562
LOOP: Delivering Oil Where It's Needed, William B. Read, PO80:May 80:163
The Role of Deepwater Ports: The Texas Experience, C. Michael Walton, PO80:May 80:73
Seismic Design of Oil Pipeline Systems, Robert P. Kennedy, Arthur C. Darrow and Stephen A. Short, TC1:Apr 79:119:14505

Crushing
A Plastic-Fracture Model for Concrete, S. S. Hsieh, Edward C. Ting and Wai F. Chen, FIC:Oct 80:50

Culverts
Arch Culvert Footing Movements, Raymond E. Davis, Henry D. Nix and Alfred E. Bacher, ST4: Apr 79:729:14491
Arch Culvert Research—Phase 3, Raymond E. Davis, Henry D. Nix and Alfred E. Bacher, ST4:Apr 79: 739:14492
Behavior and Design of Long-Span Metal Culverts, James M. Duncan, GT3:Mar 79:399:14429
Computer Analysis of Newtown Creek Culvert, Ching S. Chang, Julio M. Espinoza and Ernest T. Selig, GT5:May 80:531:15438
Design and Construction of Long-Span Metal Culverts, Ernest T. Selig, John F. Abel, Fred H. Kulhawy and William E. Falby, CE:Mar 79:68
Erosion Control at Culvert Outlets, John L. Grace, Jr., Preprint No.80-639, Oct 80, 14pp.
Expansive Roadbed Treatment for Southern Africa, D. J. Weston, SLS:June 80:339
Measured Performance of Newtown Creek Culvert, Ernest T. Selig, Charles W. Lockhart and Richard W. Lautensleger, GT9:Sept 79:1067:14850
Nonsymmetrical Loadings on Pipe, Wayne Winter Smith, TE3:May 79:307:14584
Optimal Design of Culverts under Uncertainties, Larry W. Mays, HY5:May 79:443:14572
Terminal Usage of Batch Programs in Highway Design, Conrad G. Keyes, Jr., John Minor and Kenneth R. White, CP80:June 80:350

Use of Fabrics to Reduce Stresses on Buried Culverts, Edward A. Nowatzki, Bal K. Sanan and Robert L. Sogge, Preprint No.80-177, Apr 80, 24pp.

Curing
Size Effect in Model Concretes?, Gajanan M. Sabnis and Saeed M. Mirza, ST6:June 79:1007:14618

Currents
Inlet Stability Solutions for Tributary Inflow, Francis F. Escoffier and Todd L. Walton, Jr., WW4:Nov 79:355:14964
Ocean Outfall Dilution: Effects of Currents, Philip J.W. Roberts, HY5:May 80:769:15429
Stand-Off Force on Ships Moored in Strong Current, Jitendra Khanna and Torben Sorensen, PO80:May 80:731

Curricula
Advising Non-CE Students in Graduate Programs, Larry W. Canter, EI1:Jan 78:9:13466
Computer Graphics as a Teaching Aid, J. T. Scardina, V. Nopratvarakorn and George R. Buchanan, CP80:June 80:430
Computer Graphics in Education: A Case Study, Michael J. O'Rourke, Robert U. Johnson and Larry J. Feeser, CP80:June 80:450
Effective Utilization of Computer-Aided Design, Thomas H. Wenzel, CP80:June 80:401
Interactive Graphics and the Uniform Bean in Engineering Education, David F. Rogers, David Chalmers and J. D. Richardson, CP80:June 80:436
The Making of Minority Engineers, Lee Browne, CE: Oct 80:131
Not For Computer People Only—APL In Universities, Morton D. Sinkoff, CP80:June 80:424
Overview of University Computing (Abstract), David R. Schelling and W. Levine, CP80:June 80:418
RPI's Computer Graphics Installation, Larry J. Feeser, CP80:June 80:391
Undergraduate Engineering Consultants, James J. Sharp and A. John Christian, EI1:Jan 80:51:15127

Curtain Walls
Pressures on Curtain Wall with External Mullions, Bernard M. Leadon and Michael L. Kownacki, EM4:Aug 79:515:14732

Curvature
Calculation of Strongly Curved Open Channel Flow, Michael A. Leschziner and Wolfgang Rodi, HY10: Oct 79:1297:14927

Curved Beams
Approximate Curved I-Girder Design, Conrad P. Heins, Preprint No.80-504, Oct 80, 13pp.
Bending Strength of Curved Glued Laminated Timber, John A. Anderson and L. G. Booth, ST6: June 79:1167:14645
Matrix Formulation of Curved Girders, Chai Hong Yoo, EM6:Dec 79:971:15078
Multiple Configuration Curved Bridge Model Studies, Paul J. Brennan and James A. Mandel, ST5:May 79:875:14585
Natural Frequency of Curved Box Girder Bridges, Conrad P. Heins and M. A. Sahin, ST12:Dec 79: 2591:15064
Radial Stresses in Curved Glulam Beams, Vijaya K.A. Gopu, ST11:Nov 80:2143:15797
Torsional Stresses in Circularly Curved Bars, Chirasak Thasanatorn and Walter D. Pilkey, ST11: Nov 79:2327:14984
Unstiffened Pipe Riser Clamps, Umesh Chandra, Pen J. Fang and Everett E. McEwen, EY2:Oct 80:113: 15730
Vibration Properties of Curved Thin-Walled Beams, Avigdor V. Rutenberg, ST7:July 79:1445:14687
Vibrations of Curved Spans for Mass Transit, Thomas P. Joseph and James F. Wilson, EM2:Apr 80:255: 15361

Curved Profiles
Slack-Elasto-Plastic Dynamics of Cable Systems, David Chia-Chiun Ma, John W. Leonard and Kuang-Han Chu, EM2:Apr 79:207:14508

Curve Fitting
Determination of Aquifer Transport Parameters, Gunter Hibsch and Andrzej Kreft, HY9:Sept 79: 1137:14833
Geometric Optimization Using Simple Code Representation, William R. Spillers and George E. Kountouris, ST5:May 80:959:15396
Modal Parameter Estimation For A Highrise Building Using Amibient Response Data Taken During Construction, M. Meyyappa, H. Palsson and J. I. Craig, EM81:Jan 81:141

Curves (Road)
Highway History: Modern Turnpike Era Recounted, Charles M. Noble, CE:Feb 79:73
Limited Sight Distance Effect on Speed, Abishai Polus, Shmuel Borovsky and Moshe Livneh, TE5: Sept 79:549:14851

Cutback Asphalts
Slow Trend for Asphalt with H_2O, John J. Carroll and Donald M. Harriott, CE:Oct 79:76

Cutoff Walls
Seepage Cutoff Wall Installed Through Dam is Construction First, Frank B. Couch, Jr. and Arturo L. Ressi di Cervia, CE:Jan 79:62
Singularities in Darcy Flow Through Porous Media, Olurinde E. Lafe, J. Sergio Montes, Alexander H-D. Cheng, James A. Liggett and Philip La-Fan Liu, HY6:June 80:977:15467
Value Engineering and Cement-Bentonite Cutoff Wall Save Dam Project for Arizona Indian Tribe, Eugene A. Miller and Gary S. Salzman, CE:Aug 80:51

Cyanides
Pretreatment Case Studies of Metal Finishers, John E. Eason, EE80:July 80:229

Cycles
Cyclic Shear Resistance of Noncohesive Soils, Edward G. Prater, TN: GT1:Jan 80:111:15100

Cyclic Loads
Composite Beams under Cyclic Loading, Jagmohan L. Humar, ST10:Oct 79:1949:14897
Cyclic and Static Laboratory Tests on Drammen Clay, Knut H. Andersen, Jacobus H. Pool, Stephen F. Brown and Wim F. Rosenbrand, GT5:May 80: 499:15434
Cyclic Movements of Offshore Structures on Clay, Francis Dumas and Kenneth L. Lee, GT8:Aug 80: 877:15655
Cyclic Response Of Steel-Stud Framed Wall Panels, Thomas S. Tarpy, Jr., EM81:Jan 81:631
Dynamic Properties of Frozen Silt Under Cyclic Loading, Ronald L. Czajkowski and Ted S. Vinson, GT9:Sept 80:963:15702
Factors Affecting Liquefaction and Cyclic Mobility, Gonzalo Castro and Steve J. Poulos, GT6:June 77: 501:12994
Inelastic Cyclic Behavior of Tubular Braced Frames, Egor P. Popov, Stephen A. Mahin and Victor A. Zayas, Preprint No.80-135, Apr 80, 18pp.
Liquefaction Potential: Science Versus Practice, Ralph B. Peck, GT3:Mar 79:393:14418
Nonlinear Behavior of Soft Clays during Cyclic Loading, Izzat M. Idriss, Ricardo Dobry and Ram D. Singh, GT12:Dec 78:1427:14265
Nonlinear Soil Models for Irregular Cyclic Loadings, Robert M. Pyke, GT6:June 79:715:14642
Parameter Estimation From Full-Scale Cyclic Testing, Jean-Guy Beliveau and Michael Favillier, EM81:Jan 81:775
Pore-Pressure Dissipation During Offshore Cyclic Loading, Geoffrey R. Martin, Ignatius Lam and Chan-Feng Tsai, GT9:Sept 80:981:15706

Shear Transfer Model for Reinforced Concrete, Michael N. Fardis and Oral Buyukozturk, EM2: Apr 79:255:14507
Soil Liquefaction and Cyclic Mobility Evaluation for Level Ground during Earthquakes, H. Bolton Seed, GT2:Feb 79:201:14380
Soil Sampling in Europe: State-of-the-Art, Bengt B. Broms, GT1:Jan 80:65:15149
Undrained Cyclic Strength of Marine Soils, William N. Houston and Herbert G. Herrmann, GT6:June 80:691:15508

Cyclones
A Note on Joint Probability of Surge and Rainfall, Fei Fan Yeh, HYUS:June 80:1

Cylinders
Inline Forces on Fixed Vertical Cylinder in Waves, Subrata K. Chakrabarti, WW2:May 80:145:15403
Irregularities in Solutions of Nonlinear Wave Diffraction Problem by Vertical Cylinder, Touvia Miloh, TN: WW2:May 80:279:15385
Nonlinear Inertia Forces on Bodies, Michael de St.Q. Isaacson, WW3:Aug 79:213:14743
Second-Order Standing Waves Bounded by Circular Cylinders, John N. Hunt and Rafik E. Baddour, TN: WW1:Feb 80:122:15166
Torsion of Reinforced Square Cylinder, You-Mong Kuo and Harry D. Conway, EM6:Dec 80:1341: 15921
Vertical Cylinders of Arbitrary Section in Waves, Michael de St. Q. Isaacson, WW3:Aug 78:309: 13973
Wave Forces on Cylinders near Plane Boundaries, James C. Wright and Tokuo Yamamoto, WW1:Feb 79:1:14358
Wave Forces on Multiple Vertical Cylinders, Subrata K. Chakrabarti, WW2:May 78:147:13727
Wave Forces on Partially Submerged Cylinders, A. Graham Dixon, Clive A. Greated and Stephen H. Salter, WW4:Nov 79:421:14996

Cylindrical Shells
Analysis of Ring Loaded Laminated Plastic Cylindrical Shells, Daryl L. Logan and G. E.O. Widera, Preprint No.80-573, Oct 80, 14pp.
Cylindrical Shells of Bimodulus Composite Material, Charles W. Bert and V. Sudhakar Reddy, Preprint No.80-623, Oct 80, 13pp.
End Effects of Pressure-Resistant Concrete Shells, Wai F. Chen, Hiroyuki Suzuki and Tse-Yung P. Chang, ST4:Apr 80:751:15316
Nonlinear Layered Timber Cylindrical Shells, Peter J. Moss, Athol J. Carr and Nicholas C. Cree-Brown, ST10:Oct 79:2019:14932
Stress Concentrations in Bonded Multi-Layer Cylindrical Shells, Umur Yuceoglu and Dean P. Updike, Preprint No.80-656, Oct 80, 10pp.

Damage
Assessment of Expansive Soils in the United States, James P. Krohn and James E. Slosson, SLS:June 80:596
Blast Damage Criteria for a Massive Concrete Structure, Rupert G. Tart, Jr., Lewis L. Oriard and John H. Plump, Preprint No.80-175, Apr 80, 15pp.
Construction and Design of Light Structures in Peru, A. Carrillo-Gil, SLS:June 80:469
Creep Damage to Structures on Expansive Clay Slopes, Robert L. Lytton and Larry D. Dyke, SLS: June 80:284
Damage Assessment of the Imperial Co. Services Building, Gerard C. Pardoen and Gary C. Hart, Preprint No.80-680, Oct 80, 12pp.
Dune Erosion and Recovery on a Northern Barrier, John W. Armon, CZ80:Nov 80:1233
Executive Summary, W. Stell Huie, CRLS:Jan 79:II-1
The Fort Lauderdale Tornado of May 24th, 1979, Herbert S. Saffir, Preprint No.80-524, Oct 80, 10pp.
Hazard Mitigation on Barrier Island and Beaches, Dunesh C. Sharma, CZ80:Nov 80:1450
Hurricane Impact at Dauphin Island, Alabama, Shea Penland, Dah Nummedal and William E. Schramm, CZ80:Nov 80:1425
POL Pier Damage Investigation and Recommendations, Chinymiim Chern and James C. Wright, PO80:May 80:399
Polymer-Impregnated Concrete at Dworshak Dam, Rodney J. Stebbins, CO4:Dec 78:539:14229
Procedure for Predicting Wind Damage to Buildings, Kishor C. Mehta, James R. McDonald and Douglas A. Smith, Preprint No.80-644, Oct 80, 10pp.
Special Address—Conference Overview, Leonard Krazynski, SLS:June 80:671
Tidal Protection Measures — Social and Legal Problems, Hyman J. Fine, HYUS:June 80:44
Wind Damage Observations and Implications, Joseph E. Minor and Kishor C. Mehta, ST11:Nov 79:2279: 14980
Windspeed Analysis of 1977 Birmingham Tornado, George E. Ramey and Roy C. Johnson, Jr., ST9: Sept 80:1867:15679

Damage Assessment
Damage Assessment of Existing Structures, James T.P. Yao, EM4:Aug 80:785:15653
The Kalamazoo: Building Damage In The Center City, James R. McDonald and James J. Abernethy, EM81:Jan 81:567

Damage Costs
Special Address—Conference Overview, Leonard Krazynski, SLS:June 80:671

Damage Estimation
Seismic Resistance of Existing Buildings, Robert V. Whitman, Frank J. Heger, Rene W. Luft and Frederick Krimgold, ST7:July 80:1573:15564

Damage Patterns
Suite of Mathematical Flood Plain Models, Heinz Willi Weiss and Desmond Clifford Midgley, HY3: Mar 78:361:13604

Damage Prevention
Tidal Protection Measures — Social and Legal Problems, Hyman J. Fine, HYUS:June 80:44

Damages
Mathematical Modelling of Indeterminate Trusses, Vernon Charles Matzen and Joseph Earlton Hardee, EM81:Jan 81:687

Dam Breaches
Divergent Flow in the Vicinity of a Breached Dam, Nikolaos D. Katopodes, HYCO:Aug 80:310

Dam Construction
Effects of Dam Construction and Channelization on Deltaic Wetlands, Arthur R. Benton, Jr., ASDC:80: 183
Inspecting Dam Construction, Wendell E. Johnson, CE:Nov 80:50
New Perspectives on the Safety of Dams, Donald A. Giampaoli, EI3:July 80:265:15580
Seepage Cutoff Wall Installed Through Dam is Construction First, Frank B. Couch, Jr. and Arturo L. Ressi di Cervia, CE:Jan 79:62
Tarbela Dam—Problems Solved by Novel Concretes, Paul C. Chao, CE:Dec 80:58

Dam Design
Regional Geology of the Dartmouth Dam Site, F. Cox, ASDC:80:105
Uplift Pressures on Hollow Gravity Dams, Amrik S. Chawla and Natthi Mal, HY3:Mar 79:257:14464

Dam Failure
Dam-Break Wave Model: Formulation and Verification, Cheng-lung Chen and Jeffrey T. Armbruster, HY5:May 80:747:15395
Dam Failure in Benefit/Cost Analysis, Gregory Baecher, Marie-Elisabeth Pate and Richard de Neufville, TN: GT1:Jan 80:101:15100

Divergent Flow in the Vicinity of a Breached Dam, Nikolaos D. Katopodes, HYCO:Aug 80:310
Flow Routing in Tailwater Streams, Michael G. Ferrick, HYCO:Aug 80:192
Laboratory Verification of a Dam-Break Flood Model, Cheng-lung Chen, HY4:Apr 80:535:15324
Lake Byllesby Dam — Mitigation of Hazard, Lawrence W. Gubbe, Preprint No.80-054, Apr 80, 22pp.
Mathematical Simulation of Dam-Break Flow, Rudi Rajar, HY7:July 78:1011:13883
Myths and Uses of Hydrometeorology in Forecasting, Gene E. Willeke, EFHYF:Mar 79:117
Problems in Applying Optimal Irrigation Plans, Charles E. Brockway and Richard G. Allen, WR1: Mar 80:255:15277
Repair of Waterstop Failures, Ernest K. Schrader, EY2:Oct 80:155:15741
Risk of Catastrophic Failure of Major Dams, Don Rose, TN: HY9:Sept 78:1349:13984

Damping
Anti-Earthquake Application Of Pulse Generators, Sami F. Masri, George A. Bekey, Frederick B. Safford and Tejav J. dehghanyar, EM81:Jan 81:87
Damping Measurements Of Tall Structures, George T. Taoka, EM81:Jan 81:308
Damping Of A Floor Sample, Johann H. Rainer and Gerald Pernica, EM81:Jan 81:859
Damping of An Offshore Platform Model By Random DEC Method, J. C. S. Yang, M. Sherif Aggour, N. Dagalakis and F. Miller, EM81:Jan 81: 819
Damping of Frames with Constrained Viscoelastic Layers, Dario A. Gasparini, Amitabha Deb Chaudhury and Lawrence W. Curry, ST1:Jan 80: 115:15113
Damping of Gravity Waves Over Porous Bed, Kewal K. Puri, HY2:Feb 80:303:15214
Dynamic Stiffness and Damping of Pile Groups in Inhomogeneous Soil, Toyoaki Nogami, GTA80:Oct 80:31
Dynamic Torsional Response Of Symmetric Structures, Pradip K. Syamal and O. A. Pekau, EM81:Jan 81:902
Experimental Dynamics of Highway Bridges, Bruce M. Douglas, Charles D. Drown and Monty L. Gordon, EM81:Jan 81:698
Friction Devices To Control Seismic Response, Cedric Marsh and Avtar S. Pall, EM81:Jan 81:809
Impedance Functions of Piles in Layered Media, Milos Novak and Fakhry Aboul-Ella, EM3:June 78: 643:13847
Measurements of On-Site Dynamic Parameters for Seismic Evaluations, Roger M. Zimmerman and Kenneth R. White, EM81:Jan 81:267
Seismic Response by SRSS for Nonproportional Damping, Mahendra P. Singh, EM6:Dec 80:1405: 15948
Shaking Table Earthquake Response of Steel Frame, David T. Tang and Ray W. Clough, ST1:Jan 79: 221:14324
Shear Moduli and Damping Factors of Earth Dam, Ahmed M. Abdel-Ghaffar and Ronald F. Scott, GT12:Dec 79:1405:15034
Size Effect in Damping Caused by Water Submersion, Richard G. Dong, ST5:May 79:847: 14581
Stiffness and Damping Coefficients of Foundations, Jose M. Roesset, GTA80:Oct 80:1
Structural Characterization Of Concrete Chimneys, Kalman L. Benuska, Gerald Y. Matsummoto, Everett H. Killam and John G. Diehl, EM81:Jan 81:152
Structural Control Using Active Tuned Mass Dampers, James C.H. Chang and Tsu T. Soong, EM6:Dec 80:1091:15882
Structural Damping In The Time Domain, Allen J. Bronowicki, EM81:Jan 81:833
Suspension Bridge Vibrations: Computed and Measured, Peter Graham Buckland, Roy Hooley, Brian D. Morgenstern, Johann H. Rainer and Aegide M. van Selst, ST5:May 79:859:14557
Vibration Test Of Structures At Varied Amplitudes, Alan P. Jeary and Brian R. Ellis, EM81:Jan 81:281

Damping Tests
Modal Parameter Estimation For A Highrise Building Using Amibient Response Data Taken During Construction, M. Meyyappa, H. Palsson and J. I. Craig, EM81:Jan 81:141

Dams
Application of Landsat to the Inventory of Dams, Andrew R. Blystra and Raymond R. Dumas, AS80: Aug 80:54
Automatic Water-Level Control in South Africa, Klaus Merensky and Dyason Hopkins, HY11:Nov 79:1415:14992
Dam-Break Wave Model: Formulation and Verification, Cheng-lung Chen and Jeffrey T. Armbruster, HY5:May 80:747:15395
Detection Methods for Location of Subsurface Water and Seepage, Robert M. Koerner, Jonathan S. Reif and Michael J. Burlingame, GT11:Nov 79:1301: 14989
Dispersive Soil Problem at Los Esteros Dam, Thomas N. McDaniel and Rey S. Decker, GT9:Sept 79: 1017:14804
Don't Always Put Dam in Narrowest Part of Valley, Fernando Abecasis, CE:June 80:93
Dual-Purpose Detention Basins, William Whipple, Jr., WR2:Sept 79:403:14860
Environment and Water Development in Third World, Asit K. Biswas, WR1:Mar 80:319:15295
Estimating Erosion and Sediment Yield from Rangeland, Kenneth G. Renard, IRKB:July 80:164
Feasibility of Five Low-Head Hydro Projects, James V. Williamson and Anthony Wayne Pietz, EY1:Apr 80:57:15327
Inspecting Dam Construction, Wendell E. Johnson, CE:Nov 80:50
Laboratory Verification of a Dam-Break Flood Model, Cheng-lung Chen, HY4:Apr 80:535:15324
Modeling of Sediment Transport in Cottonwood Creek, Alan L. Prasuhn and Edward F. Sing, HYCO:Aug 80:209
New Perspectives on the Safety of Dams, Donald A. Giampaoli, EI3:July 80:265:15580
Reducing Hazards Associated with Spillways for Dams, Erwin Thomas Scherich, Preprint No.80-063, Apr 80, 19pp.
Small Scale Hydropower in the West, Michael J. McLatchy, IRKA:July 80:374
Tarbela Dam—Problems Solved by Novel Concretes, Paul C. Chao, CE:Dec 80:58
Unsaturated Flow Beneath Tailings Impoundments, David B. McWhorter and John D. Nelson, GT11: Nov 79:1317:14999

Dams (Arch)
Hazard Assessment of an Arch Dam in a Seismic Zone, Donald E. Bowes, Antonio X. Sison and Alan L. O'Neill, Preprint No.80-055, Apr 80, 30pp.

Dams (Buttress)
Modern Engineering Saves Troubled Dam, James M. Tolle, Peter Simard and Lynn A. Brown, CE:June 79:78

Dams (Concrete)
Modern Engineering Saves Troubled Dam, James M. Tolle, Peter Simard and Lynn A. Brown, CE:June 79:78
Polymer-Impregnated Concrete at Dworshak Dam, Rodney J. Stebbins, CO4:Dec 78:539:14229

Dams (Earth)
Analysis of Earth Dam Response to Earthquakes, Ahmed M. Abdel-Ghaffar and Ronald F. Scott, GT12:Dec 79:1379:15033
Cracking, Leakage, and Erosion of Earth Dam Materials, Erik I. Hjeldnes and Bhagwat V.K. Lavania, GT2:Feb 80:117:15220
Dispersive Soil Problem at Los Esteros Dam, Thomas N. McDaniel and Rey S. Decker, GT9:Sept 79: 1017:14804

Highway Embankment Doubles as Dam, Shiwendra P. Singh, CE:Apr 79:80
Shear Moduli and Damping Factors of Earth Dam, Ahmed M. Abdel-Ghaffar and Ronald F. Scott, GT12:Dec 79:1405:15034
Simplified Procedure for Estimating Dam and Embankment Earthquake-Induced Deformations, Faiz I. Makdisi and H. Bolton Seed, GT7:July 78: 849:13898
Stability Analysis of Embankments and Slopes, Sarada K. Sarma, GT12:Dec 79:1511:15068
Transient Seepage Analysis of Guri Dam, Chi-Yuan Wei and William Y.J. Shieh, TC1:Apr 79:135:14503
Value Engineering and Cement-Bentonite Cutoff Wall Save Dam Project for Arizona Indian Tribe, Eugene A. Miller and Gary S. Salzman, CE:Aug 80:51

Dams (Embankment)
Tarbela Dam—Problems Solved by Novel Concretes, Paul C. Chao, CE:Dec 80:58

Dams (Gravity)
Boundary Element Analysis Of Reservoir Vibration, Jagmohan L. Humar and Youssef G. Hanna, EM81:Jan 81:461
Earthquake Resistant Design of Concrete Gravity Dams, Anil K. Chopra, ST6:June 78:953:13823
Optimum Spillway Breadth for Gravity Dams, John M. Townson, HY3:Mar 80:409:15254
Uplift Pressures on Hollow Gravity Dams, Amrik S. Chawla and Natthi Mal, HY3:Mar 79:257:14464

Dams (Rockfill)
Layout Techniques for Little Blue Run Dam, Duane R. Church, SU1:Nov 79:1:14946
Northfield Mountain Pumped Storage Project: Performance, William F. Swiger, Philip A. Wild and Thomas J. Lamb, GT6:June 80:673:15506
Rockfill Quarry Experience, Ord River, Australia, Lewis L. Oriard and Joseph L. Jordan, CO1:Mar 80:37:15252
Value Engineering and Cement-Bentonite Cutoff Wall Save Dam Project for Arizona Indian Tribe, Eugene A. Miller and Gary S. Salzman, CE:Aug 80:51

Damsites
Aquifer Tests at San Lorenzo Dam, El Salvador, Jing-Yea Yang and Sanford I. Strausberg, HYCO: Aug 80:119
Computer Mapping in a Catchment Land Use Study, Kerry Michael Rosenthal, ASDC:80:224
Don't Always Put Dam in Narrowest Part of Valley, Fernando Abecasis, CE:June 80:93
Earthwork Quantity Surveys at Damsites, Kevin B. Flynn, ASDC:80:124
Materials Availability Study of the Dickey-Lincoln Dam Site, Carolyn J. Merry, Harlan L. McKim and Edwin A. Blackey, Jr., ASDC:80:158
A Seismo-Tectonic Study of the Western Narmada Valley Using Landsat Imagery, S. N. Pandey, ASDC:80:171

Dam Site Selection
Aquifer Tests at San Lorenzo Dam, El Salvador, Jing-Yea Yang and Sanford I. Strausberg, HYCO: Aug 80:119
Damsite Works Layout and Access Road Location, Keith A. Murley, ASDC:80:114
Don't Always Put Dam in Narrowest Part of Valley, Fernando Abecasis, CE:June 80:93
Earthwork Quantity Surveys at Damsites, Kevin B. Flynn, ASDC:80:124
Materials Availability Study of the Dickey-Lincoln Dam Site, Carolyn J. Merry, Harlan L. McKim and Edwin A. Blackey, Jr., ASDC:80:158
Regional Geology of the Dartmouth Dam Site, F. Cox, ASDC:80:105
A Seismo-Tectonic Study of the Western Narmada Valley Using Landsat Imagery, S. N. Pandey, ASDC:80:171

Dam Stability
Application of Landsat to the Inventory of Dams, Andrew R. Blystra and Raymond R. Dumas, AS80: Aug 80:54
Dam Safety in Idaho, C. Stephen Allred and Norman C. Young, Preprint No.80-152, Apr 80, 9pp.
Locating Reservoirs with Landsat: "A Texas Example", E. Charles Palmer, Samuel D. McCulloch and A. E. Richardson, ASDC:80:11
Monitoring Large Structures by Precise Survey, Kenneth D. Robertson, ASDC:80:277
Monitoring of Dam Movements Using Laser Light, Don Slobodnik and Edward F. Roof, TE6:Nov 80: 829:15850
New Perspectives on the Safety of Dams, Donald A. Giampaoli, EI3:July 80:265:15580
Phosphate Mine Dump Stability and Revegetation, Eugene E. Farmer and Bland Z. Richardson, IRKB: July 80:888
The Regulation of Mine Waste Disposal, Bruce C. Vandre, IRKB:July 80:898
Risk of Catastrophic Failure of Major Dams, Don Rose, TN: HY9:Sept 78:1349:13984
Simplified Procedure for Estimating Dam and Embankment Earthquake-Induced Deformations, Faiz I. Makdisi and H. Bolton Seed, GT7:July 78: 849:13898

Darcys Law
Air-Water Flow in Coarse Granular Media, Alim A. Hannoura and John A. McCorquodale, HY7:July 78:1001:13888
Prediction of Non-Darcy Flow in Porous Media, Jan de Vries, IR2:June 79:147:14610
Singularities in Darcy Flow Through Porous Media, Olurinde E. Lafe, J. Sergio Montes, Alexander H-D. Cheng, James A. Liggett and Philip La-Fan Liu, HY6:June 80:977:15467
Virtual Mass of Coarse Granular Media, Alim A. Hannoura and John A. McCorquodale, WW2:May 78:191:13734

Data Acquisition
Determination of Aquifer Transport Parameters, Gunter Hibsch and Andrzej Kreft, HY9:Sept 79: 1137:14833

Data Acquisition Systems
An Operational Data Acquisition System Using Meteor Burst Technology, Manes Barton and Michael Burke, ASDC:80:346

Data Analysis
Application of MIS for Transportation Agencies, Neal X. Jones, CP80:June 80:379
Chesapeake Bay Development Pressures: RAMS Data Base Analysis, Russell C. Eberhart and Thomas J. Dolan, CZ80:Nov 80:532
Data Base Development at Maryland DOT, Dennis R. Atkins, CP80:June 80:363
A Data Base System for Real Time Hydrologic Modeling, Robert M. Ragan and Jack D. Fellows, AS80:Aug 80:33
Determination of Aquifer Transport Parameters, Gunter Hibsch and Andrzej Kreft, HY9:Sept 79: 1137:14833
Precipitation Forecasting at a National Center, David A. Olson, EFHYF:Mar 79:199
Use of Digital Terrain Data in Topographic Analysis, Siamak Khorram and H. Gregory Smith, ASDC:80: 368

Data Banks
Columbia River Operational Hydromet Management System (CROHMS), Douglas D. Speers, ASDC:80: 337
Correction of Bidding Errors: The Belgian Solution, Frans Van Cauwelaert and Ernst Heynig, CO1:Mar 79:13:14411

Data Collection
Adaptive Management Information System, Richard H. Long, James J. Kotanchik and Robert D. Logcher, TC1:Aug 80:129:15622

California Coastal Data Collection Program—Data Collection, Analysis and Dissemination, George W. Domurat and Douglas M. Pirie, CZ80:Nov 80:2171
California Coastal Data Collection Program Status, Douglas M. Pirie and George W. Domurat, CZ80: Nov 80:2180
Moreton Region Non-Urban Land Use Study, Robert Cormack, ASDC:80:233
Precipitation Forecasting at a National Center, David A. Olson, EFHYF:Mar 79:199
Washington's Automated Coastal Data Base: The Coastal Zone Atlas, Sue Wenke and Marc Horton, CZ80:Nov 80:2291

Data Collections
Advanced Data Collection Technology and Applications - A Task Committee Report (Abstract), Bob Benn and Enrico Mercanti, MGC: July 80:342
Applications of Advanced Airborne Reconnaissance Instrumentation Systems (Abstract), Robert C. Sheets, MGC:July 80:364
Commercial Satellites for Data Collection (Abstract), William G. Shope and Richard W. Paulson, MGC: July 80:362

Data Collection Systems
Columbia River Operational Hydromet Management System (CROHMS), Douglas D. Speers, ASDC:80: 337
An Operational Data Acquisition System Using Meteor Burst Technology, Manes Barton and Michael Burke, ASDC:80:346

Data Extraction
California Coastal Data Collection Program—Data Collection, Analysis and Dissemination, George W. Domurat and Douglas M. Pirie, CZ80:Nov 80:2171
An Operational Data Acquisition System Using Meteor Burst Technology, Manes Barton and Michael Burke, ASDC:80:346

Data Handling
Data Base Use for Regional Environmental Planning, Lyman F. Wible, TE5:Sept 80:559:15677
Data Management Using Computers and CRT Displays, Allen F. Flanders, MGC:July 80:343
Distributed Data Entry and Processing, Joseph P. Harrison, CP80:June 80:614
Geographic Information Systems, William E. Gates and Richard J. Heil, SU1:Nov 80:105:15826
MOVIE.BYU—A Computer Graphics Software System, Henry N. Christiansen and Michael B. Stephenson, TC1:Apr 79:3:14484
Stochastic Generation of Annual Streamflows, R. Srikanthan and Thomas A. McMahon, HY12:Dec 80:2011:15935

Data Processing
Adaptive Management Information System, Richard H. Long, James J. Kotanchik and Robert D. Logcher, TC1:Aug 80:129:15622
ADAPT: The Use of Complex Models with a Geographic Data Base, Richard M. Males, SU80: June 80:215
C A D A E (Computer Aided Design & Engineering), Donald R. Johnston, SU80:June 80: 193
California Coastal Data Collection Program—Data Collection, Analysis and Dissemination, George W. Domurat and Douglas M. Pirie, CZ80:Nov 80:2171
Columbia River Operational Hydromet Management System (CROHMS), Douglas D. Speers, ASDC:80: 337
Computer Modeling of the Great Dismal Swamp, Vincent M. Caruso and James E. Paschal, Jr., CZ80:Nov 80:2308
Computers in Engineering Organization Management, F. Lawrence Bennett, EI3:July 79: 147:14714
Contamination in the Hydrologic Data Base, Robert J.C. Burnash and R. Larry Ferral, EFHYF:Mar 79: 303
Data Bases for Information Management, William L. Howard, CP80:June 80:638
Data Management for a Metroplex, Kenneth B. Strange and S. E. Mangum, Jr., SU80:June 80:202
Data Systems for Reuse Planning, David H. Bauer, EE80:July 80:644
Distributed Data Entry and Processing, Joseph P. Harrison, CP80:June 80:614
Flood Mitigation Planning Using HEC-SAM, Darryl W. Davis, SU80:June 80:113
Geographic Data Bases, Richard E. Cornish, CP80: June 80:660
Geotechnical Engineering Data Systems, Joseph M. DeSalvo, SU80:June 80:165
Interactive Graphics: Stage II Special Applications, James O. Howell and David F. Sinton, SU80:June 80:54
Landsat Imagery for Hydrologic Modeling?, Richard S. Taylor, Robert P. Shubinski and T. S. George, AS80:Aug 80:44
Managing Data in FORTRAN Programs, John M. McCormick and Joseph P. Wright, TC1:Apr 79:13: 14486
Manpower Management - A Data Base Application, Edward W. Fishback, Jr., CP80:June 80:651
Precipitation Forecasting at a National Center, David A. Olson, EFHYF:Mar 79:199
Urban Geoprocessing: A Staged Development Concept, Stephen Kinzy, SU80:June 80:172
WAMS: A Computer-Based Mapping and Data Base Management System, Harry A. Niedzwaiadek and George R. Hoffman, ASDC:80:359

Data Processing Techniques
Coal, Wildlife and Remote Sensing, James R. Getter, ASDC:80:198
An Operational Data Acquisition System Using Meteor Burst Technology, Manes Barton and Michael Burke, ASDC:80:346

Data Retrieval
ADAPT: The Use of Complex Models with a Geographic Data Base, Richard M. Males, SU80: June 80:215
Commercial Satellites for Data Collection (Abstract), William G. Shope and Richard W. Paulson, MGC: July 80:362
Geotechnical Engineering Data Systems, Joseph M. DeSalvo, SU80:June 80:165
Interactive Graphics: Stage II Special Applications, James O. Howell and David F. Sinton, SU80:June 80:54
Urban Geoprocessing: A Staged Development Concept, Stephen Kinzy, SU80:June 80:172

Data Systems
The GLIDE Language for CAD, Charles M. Eastman and Max Henrion, TC1:Aug 80:171:15659
Introductory Comments Data Base Systems, Bruce B. Schimming, CP80:June 80:635
Land Data Management System for Resource Planning, Stuart G. Walesh, Lois A. Kawatski and Paul J. Clavette, WR2:Nov 77:177:13323
Tornado Data Characterization and Windspeed Risk, Lawrence A. Twisdale, Jr., ST10:Oct 78:1611: 14096

Datum (Elevation)
NAD as it Affects the Survey Engineer, J. E. Colcord, Preprint No.80-073, Apr 80, 11pp.

Dead Loads
Nonlinear Creep Buckling of Reinforced Concrete Columns, Zdenek P. Bazant and Tatsuya Tsubaki, ST11:Nov 80:2235:15811
Proposed AISC LRFD Design Criteria, Frank J. Heger, TN: ST3:Mar 80:729:15231

Debris
Renovation of New York Harbor, Theodore Civetta, Jr. and Philip C. Sears, CZ80:Nov 80:898

Decay
Shear-Stress Distribution in Stable Channel Bends, Mamdouh Nouh and Ronald D. Townsend, HY10: Oct 79:1233:14898

Decision Making
Aerosols in the Treatment Plant Environment, C. Richard Walter and Guy D. Van Doren, EE80:July 80:488
Alternative Approaches for Applying GIS Technology, Jack P. Dangermond and Lowell Kent Smith, SU80:June 80:97
Application of MIS for Transportation Agencies, Neal X. Jones, CP80:June 80:379
California Impacts of World Ocean Decisions, Robert L. Friedheim and Robert E. Bowen, CZ80:Nov 80: 980
The Columbia River Estuary Data Development Program, Gary Lawley, Robert J. Moulton and David H. Kent, CZ80:Nov 80:1159
Comments on the Federal-Local Partnership in Transportation Air Quality Planning, Paul F. Maxwell, CAAA:Nov 79:33
Computer Aids for the Organization of Standards, James Robert Harris and Richard N. Wright, CP80: June 80:112
Conflict Resolution: Lessons from Grays Harbor, Nan Evans, CZ80:Nov 80:776
Consideration of Seismic Hazards in Lifeline Design, A. H-S. Ang, C080:80:215
Construction Contract Arrangements, Solomon Ribakoff, CRLS:Jan 79:I-83
Coordinated Insurance for Major Construction Projects, David B. Ashley, CO3:Sept 80:307:15697
Coordinating Tall Building Development, Leonard I. Ruchelman, UP1:Nov 80:89:15857
Data Management for a Metroplex, Kenneth B. Strange and S. E. Mangum, Jr., SU80:June 80:202
Decision Making and the Cost of Ignorance, Jack R. Benjamin, EFHYF:Mar 79:76
Design Specification Representation and Analysis, William Rasdorf and Steven J. Fenves, CP80:June 80:102
Distributed Data Entry and Processing, Joseph P. Harrison, CP80:June 80:614
Engineers in Political Decision-Making Process, H. Lanier Hickman, Jr., EI2:Apr 80:117:15340
Fairness Considerations and Alternative Policies, J. Jeffrey Peirce, Erhard F. Joeres and Martin H. David, WR1:Mar 80:81:15246
Formulating Utah's Seismic Policy for Lifelines, Delbert B. Ward and Craig E. Taylor, C080:80:202
Hydrologic/Economic Systems in Watershed Research, David G. Carvey and James G. Robb, IRKB:July 80:1036
Identification and Nature of Risks—B, J. K. Lemley, CRLS:Jan 79:II-28
Improved Hydrologic Forecasting—Why and How, William P. Henry, Chmn., EFHYF:Mar 79
Improved Local Resource Allocation, Jack L. Jensen, UT79A:July 79:179
Issues in Mapping Atlantic Coastal Ecological Data, Paul R. Adamus, Thomas E. Bigford and James R. Hynson, CZ80:Nov 80:160
Lifeline Seismic Risk: Decisions Under Uncertainty, Irving J. Oppenheim, C080:80:218
Liquefaction Study — A Decision Analysis Framework, Achintya Haldar, GT12:Dec 80:1297: 15925
LNG/LPG Terminal Safety, John J. Closner, Henry J. Kuss, Jerry L. Lott and J. D. Porricelli, PO80: May 80:469
Marine Sanctuary Institutional Analysis, Brian J. O'Sullivan, CZ80:Nov 80:1979
Matrix Management for Transportation Projects, Carl W. Goepfert, MGC:July 80:350
Minimizing Risks and Mitigating Losses — A, G. S. Bates, CRLS:Jan 79:I-119
Minimizing Risks and Mitigating Losses—D, John A. McWhorter, CRLS:Jan 79:II-158
Modeling the Cumulative Onshore Effects of Offshore Oil and Gas Development, E. T. Smith and L. G. Hecht, Jr, CZ80:Nov 80:2083
Motivating Foremen on Large Construction Projects, Nancy Morse Samelson and John D. Borcherding, CO1:Mar 80:29:15276
Multiobjective Power Plant Siting Methods, Benjamin F. Hobbs, EY2:Oct 80:187:15745
National Wetlands Inventory Project, Bill O. Wilen and Rudolf Nyc, CZ80:Nov 80:1847
North Carolina Oil Refineries—Who Makes Decision?, Anne Taylor, CZ80:Nov 80:1045
The Pactex Project: Any Lessons Learned?, Richard M. Donaldson and F. Harlan Flint, Jr., CZ80:Nov 80:365
Policies for Lifeline and Critical Facility Safety, Robert A. Olson, C080:80:180
Policy Issues Concerning Water Quality/Quantity, William Whipple, Jr., WR1:Mar 80:71:15241
Principles & Techniques for Special Area Management: The Grays Harbor & Coos Bay Experience, Gordon E. Davis, CZ80:Nov 80:761
Problems Facing Alaska Outer Continental Shelf Resource Development, Robert J. Brock, Raymond R. Emerson and Gordon M. Euler, CZ80:Nov 80: 1112
A Procedure for Evaluating Program Alternatives, Robert B. McDonald, CZ80:Nov 80:1768
Real-Time Hourly Reservoir Operation, William W-G. Yeh, Leonard Becker and Wen-Sen Chu, WR2: Sept 79:187:14813
Regional Planning for the Urban Waterfront, John R. Weingart, CZ80:Nov 80:286
Session V—Power Forecasting, Catalino B. Cecilio, EFHYF:Mar 79:424
Shore Protection Decisions for Sandy Hook, Donald A. Falvey and William J. Funge, CZ80:Nov 80: 2322
Simulation of Construction Project Duration, Robert I. Carr, CO2:June 79:117:14607
Software for Analysis of Standards, Steven J. Fenves, CP80:June 80:82
The State and Local Politics of Seismic Hazard, James D. Wright, C080:193
A Strategy for Financing Coastal Erosion Control, Waldon R. Kerns and Janet Scheid, CZ80:Nov 80: 19
A Strategy for State Participation in Outer Continental Shelf Exploration Decisions, Marie Murphy, CZ80:Nov 80:1078
A Structural Resource Management System, Daniel C. Kaufman, CP80:June 80:369
Urban Riverfront Expansion, D. B. Robbins, J. M. Armstrong, C. L. Kureth, Jr., D. V. Pratt and T. V. Dobson, CZ80:Nov 80:236
Using Design Specifications for Design, Neal M. Holtz and Steven J. Fenves, CP80:June 80:92
Water Lifeline EQ Engineering Practiced by Ebmud, Walter F. Anton, C080:80:125
Wetlands Reviews — A Califorina Experience, Hugh Converse and Jill Shapiro, CZ80:Nov 80:1829

Decision Theory
Computer Aids for the Organization of Standards, James Robert Harris and Richard N. Wright, CP80: June 80:112
Decision Making and the Cost of Ignorance, Jack R. Benjamin, EFHYF:Mar 79:76
Design Specification Representation and Analysis, William Rasdorf and Steven J. Fenves, CP80:June 80:102
Interdisciplinary Research and Environmental Management, David A. Bella and Kenneth J. Williamson, EI3:July 78:193:13860
Optimum Design to Resist Earthquakes, Emilio Rosenblueth, EM1:Feb 79:159:14395
Optimum Expenditures in Seismic Design, Emilio Rosenblueth, EM1:Feb 79:177:14396
Using Design Specifications for Design, Neal M. Holtz and Steven J. Fenves, CP80:June 80:92

Decomposition
Decomposition in Optimum Structural Design, Uri Kirsch and Fred Moses, ST1:Jan 79:85:14320

Deep Foundations
Bearing Capacity of Steel Core Piles, Hakan Bredenberg and Bengt B. Broms, GTDF:80:48
Design of Deep Foundations in Discontinuous Permafrost, Arvind Phukan, Preprint No.80-122, Apr 80, 21pp.
Driven Piling in the Northwest, Hal W. Hunt and Edward J. Stuber, Preprint No.80-125, Apr 80, 17pp.
Load Tests on Piles Driven into Cretaceous Sand, Richard E. Ackley and Richard L. Sanders, GTDF: 80:1

Deep Water
Sea Wave Attenuation due to Deformable Bottoms, G. Z. Forristall, A. M. Reece, M. E. Thro, E. G. Ward, E. H. Doyle and R. C. Hamilton, Preprint No.80-536, Oct 80, 18pp.

Defects
Quinnipiac River Bridge Cracking, John W. Fisher, Alan W. Pense, Hans Hausammann and George R. Irwin, ST4:Apr 80:773:15343

Definitions
Definition of Terms Related to Liquefaction, William F. Marcuson, III, Chmn., GT9:Sept 78:1197:14037
Federal Roles and Responsibilities In a Modernized Land Data System, Bernard W. Hostrop, SU80: June 80:27

Deflection
Analysis of Stiffened Slabs-on-Ground over Expansive Soil, Warren K. Wray, SLS:June 80:558
Arch Culvert Footing Movements, Raymond E. Davis, Henry D. Nix and Alfred E. Bacher, ST4: Apr 79:729:14491
Beams with Torsional and Flexural Loads, Thomas P. Pastor and John T. DeWolf, ST3:Mar 79:527:14461
Bending Analysis of Parabolic Velaroidal Shells, Hassoun A. Hadid and Paul P. Lynn, ST7:July 80: 1609:15570
Deflection Bounding at Shakedown, Francis Tin Loi, TN: ST5:May 80:1209:15384
Deflection Control by Span-Effective Depth Ratio, Himat T. Solanki, TN: ST9:Sept 80:1974:15667
Deformation of Arches: Elastic Buckling Behavior, Frank Van der Woude and Brian F. Cousins, ST12: Dec 79:2677:15086
Dome Effect in RC Slabs: Elastic-Plastic Analysis, Mikael W. Braestrup and C. T. Morley, ST6:June 80:1255:15502
Dome Effect in RC Slabs: Rigid-Plastic Analysis, Mikael W. Braestrup, ST6:June 80:1237:15501
Ductility Ratio for Slabs, Edwin G. Burdette and Dennis Bernal, ST11:Nov 78:1741:14131
Elastic Deformation of Beams with Web Opening, Brian K. Dougherty, ST1:Jan 80:301:15136
Elastic Instability of Unbraced Space Frames, Zia Razzaq and Moossa M. Naim, ST7:July 80:1389: 15535
Elastic-Plastic Deflections Due To Pulse Loading, P. S. Symonds, EM81:Jan 81:887
Estimating Supporting Strength of Flexible Pipes, Otto Brody, TE4:July 79:473:14716
Exact Analysis of Unsymmetric Laminated Beam, K. M. Rao and B. G. Ghosh, ST11:Nov 79:2313: 14983
First Yield of Edge Beam Stiffened Square Plates, Geoffrey John Turvey, EM1:Feb 79:81:14373
Flexure of Laminated Beams, I. K. Silverman, ST3: Mar 80:711:15293
Group Factors for Pile-Deflection Estimation, Harry G. Poulos, GT12:Dec 79:1489:15032
Large Deflection of Circular Plate: Symmetrical Load, B. Banerjee and S. Datta, TN: EM4:Aug 80: 831:15589
Macaulay's Method: A Generalization, TN: EM3: June 79:459:14603
Nonlinear Layered Timber Cylindrical Shells, Peter J. Moss, Athol J. Carr and Nicholas C. Cree-Brown, ST10:Oct 79:2019:14932
Partial Composite Action in Diaphragms, Rafik Y. Itani and Girish S. Hiremath, EM4:Aug 80:739: 15624
Post-Buckling Behavior under Mode Interaction, Antonio J. Reis and John Roorda, EM4:Aug 79: 609:14744
Post-Buckling Finite Element Analysis of Flat Plates, Kuen-Yaw Shye and James Colville, ST2:Feb 79: 297:14382
Postcracking Compliance Analysis of RC Beams, Clarence W. deSilva, Oral Buyukozturk and David N. Wormley, ST1:Jan 79:35:14304
Retainining Wall Performance during Backfilling, Terrence S. Ingold, GT5:May 79:613:14580
Revised Procedure for Estimating Along-Wind Response, Emil Simiu, ST1:Jan 80:1:15111
Secondary Deflections and Lateral Stability of Beams, Walter L. Warnick and William H. Walston, EM6:Dec 80:1307:15924
Tension Stiffening in Reinforced Concrete Slabs, R. Ian Gilbert and Robert F. Warner, ST12:Dec 78: 1885:14211
Thermal Stress Analysis of Continuous Skew Bridge, Fazlur Rahman and Kalankamary P. George, ST7: July 79:1525:14695
Thick Skin Sandwich Beam Columns with Weak Cores, Robert G. Drysdale, Fernando Betancourt-Angel and Geoffrey B. Haddad, ST12:Dec 79:2601: 15072
Torsional Buckling Study of Hartford Coliseum, Robert S. Loomis, Raymond H. Loomis, Robert W. Loomis and Richard W. Loomis, ST1:Jan 80:211: 15124

Deformation
Analysis of Fabricated Tubular Columns, Shouji Toma and Wai F. Chen, ST11:Nov 79:2343:14994
Analysis of Ring Loaded Laminated Plastic Cylindrical Shells, Daryl L. Logan and G. E.O. Widera, Preprint No.80-573, Oct 80, 14pp.
Assemblage Method for Folded-Plate Analysis, Fouad H. Victor and Fernand Ellyin, ST7:July 79: 1509:14689
Behavior of Concrete under Multiaxial Stress States, Kurt Berlin Gerstle, Helmut Aschl, Roberto Bellotti, Paolo Bertacchi, Michael D. Kotsovos, Hon-Yim Ko, Diethelm Linse, John B. Newman, Pio Rossi, Gerald Schickert, Michael A. Taylor, Leonard A. Traina, Helmut Winkler and Roger M. Zimmerman, EM6:Dec 80:1383:15945
Constitutive Model for Short-Time Loading of Concrete, Niels Saabye Ottosen, EM1:Feb 79:127: 14375
Creep Strain Accumulation Under Random Loading, Chavali V.S. Kameswara Rao, TN: EM6:Dec 78: 1457:14198
Deformation and Strength Characteristics of Soft Bangkok Clay, A. S. Balasubramaniam and A. R. Chaudry, GT9:Sept 78:1153:14040
Deformation of Arches: Elastic Buckling Behavior, Frank Van der Woude and Brian F. Cousins, ST12: Dec 79:2677:15086
Differential Movement in Composite Load-Bearing Masonry Walls, Clayford T. Grimm and David W. Fowler, ST7:July 79:1277:14666
Elastic Deformation of Beams with Web Opening, Brian K. Dougherty, ST1:Jan 80:301:15136
Exact Analysis of Unsymmetric Laminated Beam, K. M. Rao and B. G. Ghosh, ST11:Nov 79:2313: 14983
Expansive Roadbed Treatment for Southern Africa, D. J. Weston, SLS:June 80:339
Experiments on Axially Loaded Concrete Shells, Wai F. Chen, Harshavardhan C. Mehta and Tse-Yung P. Chang, ST8:Aug 79:1673:14785
Fire Response of Reinforced Concrete Slabs, Zuhayr Nizamuddin and Boris Bresler, ST8:Aug 79:1653: 14784
General Deformation (Elastic and Inelastic) and Stresses Beneath Plates and Wheels, Richard H. Ledbetter, Preprint No.80-668, Oct 80, 13pp.
Generalized Stress-Strain Relations for Concrete, Michael D. Kotsovos and John B. Newman, EM4: Aug 78:845:13922

Large Deformation Analysis of Submerged Ring Frames, Howard B. Harrison, EM5:Oct 79:829: 14913
Lateral Loads on Power Boilers, Hugh W. Hempel, EY2:Aug 79:241:14751
Low Velocity Projectile Penetration of Clay, Umesh Dayal, John H. Allen and Dronnadula V. Reddy, GT8:Aug 80:919:15657
Model Study of Circular Sheetpile Cells, James K. Maitland and Warren L. Schroeder, GT7:July 79: 805:14712
Monitoring a Building Designed to Settle, Henry T. Taylor and Thomas D. Wosser, Preprint No.80-529, Oct 80, 16pp.
New Interaction Equation for Steel Beam-Columns, Francois Cheong-Siat-Moy, ST5:May 80:1047: 15422
Nonlinear Deformation of Fabric/Foam Composites, S. S. Wang and Alvin Smith, Preprint No.80-572, Oct 80, 18pp.
Nonlinear Static and Dynamic Deformations of Viscoelastic Cables, Brian J. Sullivan and Steven C. Batterman, EM3:June 80:543:15500
Numerical Analysis of Underground Structures, Charles W. Schwartz, CP80:June 80:217
Partial Composite Action in Diaphragms, Rafik Y. Itani and Girish S. Hiremath, EM4:Aug 80:739: 15624
Prefailure and Post-Failure Soil Plasticity Models, M. M. Mehrabadi and Stephen C. Cowin, EM5:Oct 80: 991:15755
Prestressed Concrete Members in Direct Tension, Robert J. Wheen, ST7:July 79:1471:14693
The Pretreatment of Clay Soils for Road Construction, D. H. van der Merwe, F. Hugo and A. P. Steyn, SLS:June 80:361
Refined Theories for Nonhomogeneous Anisotropic Cylindrical Shells: Part II-Aplication, Daryl L. Logan and G. E.O. Widera, EM6:Dec 80:1075: 15934
Seismic Behavior of Gravity Retaining Walls, Rowland Richards, Jr. and David G. Elms, GT4: Apr 79:449:14496
Static Deformation of Rock, Joseph B. Walsh, EM5: Oct 80:1005:15761
Stress-Path Influence on Drained Deformations of Clay, Chitta R. Gangopadhyay, Subhas C. Das and Nitin N. Som, GT11:Nov 80:1243:15807
Tension Resistant Inclusions in Soils, Kamal Z. Andrawes, Alan McGown, Mohsen M. Mashhour and Ragui F. Wilson-Fahmy, GT12:Dec 80:1313: 15928
Thermodynamics of Solidifying or Melting Viscoelastic Material, Zdenek P. Bazant, EM6:Dec 79:933:15041
Time-Dependent Deformation Behavior of Clays, Edward Kavazanjian, Jr. and James K. Mitchell, GT6:June 80:611:15488
Tolerable Movement Criteria for Highway Bridges — Field Studies, Lyle K. Moulton, Hota V.S. GangaRao, Maher K. Tadros and Grant T. Halvorsen, Preprint No.80-567, Oct 80, 18pp.
Validity of Yieldline Theory for Polyhedral Shells, Robert E. Melchers, EM1:Feb 79:107:14388

Deformation Analysis

Strength and Deformability of Highly Fractured Rock, Jerome M. Raphael and Richard E. Goodman, GT11:Nov 79:1285:14988

Deformation Modulus

Cyclic Stress-Strain History and Shear Characteristics of Clay, Tamotsu Matsui, Hideo Ohara and Tomio Ito, GT10:Oct 80:1101:15776

Degradation

Alaska Water Quality Standards and BMPs, John D. Stednick, IRKB:July 80:721
Further Consideration of Progressively Fracturing Solids, John W. Dougill and M. A.M. Rida, EM5: Oct 80:1021:15764
Modeling of Sediment Transport in Cottonwood Creek, Alan L. Prasuhn and Edward F. Sing, HYCO:Aug 80:209
Nonlinear Behavior of Soft Clays during Cyclic Loading, Izzat M. Idriss, Ricardo Dobry and Ram D. Singh, GT12:Dec 78:1427:14265
Seismic Response of Cohesive Marine Soils, Chan-Feng Tsai, Ignatius Lam and Geoffrey R. Martin, GT9:Sept 80:997:15708

Degradation Failures

Riverbed Improves over Time: South Fork Salmon, Walter F. Megahan, William S. Platts and Bert Kulesza, IRKB:July 80:380

Degrees of Freedom

Approximate Modal Analysis of Bilinear MDF Systems, Visit Tansirikongkol and David A. Pecknold, EM2:Apr 80:361:15329
Equivalent Linear SDF Response to Earthquakes, Visit Tansirikongkol and David A. Pecknold, ST12: Dec 79:2529:15073
Response of MDOF Systems to Nonstationary Random Excitation, Dario A. Gasparini, EM1:Feb 79:13:14341

Deicing

Road Salts Movement into Two Toronto Streams, William S. Scott, EE3:June 80:547:15468

Delaware

Coastal Storm Tide Frequency, Virginia to Delaware, Vance A. Myers and Francis P. Ho, HYUS:June 80:74
Public Engineers—Why the Least Happy Category of Civil Engineers?, Kneeland A. Godfrey, Jr., CE: Mar 80:86

Delaware Basin

Delaware River Basin Water Resources Management, Cecil H.J. Hull, WR1:Nov 78:157:14166
Geology of Delaware Barriers: Evironmental Planning, Kathleen Drew and John C. Kraft, CZ80: Nov 80:830
Persistence of Chlorine in Cooling Water from Electric Generating Station, G. Fred Lee, EE4:Aug 79:757:14777
Preparing for Oil Spills in the Delaware River Estuary, June Lindstedt-Siva, CZ80:Nov :294

Delay Time

Allocation of Risks—A, M. G. Johnson, CRLS:Jan 79:II-53
Allocation of Risks — A, William S. Alldredge, CRLS:Jan 79:I-39
Contractual Arrangements—E, Martin N. Kelley, CRLS:Jan 79:II-113
Contractual Arrangements for Construction, Louis W. Riggs, CRLS:Jan 79:I-101
Delays in Construction of Nuclear Power Plants, Parviz F. Rad, EY1:Jan 79:33:14287
Improving Motivation and Productivity on Large Projects, John D. Borcherding, Scott Morse Sebastian and Nancy Morse Samelson, CO1:Mar 80:73:15272
Photographic Record and Time Delays, Richard P. Maher, CO3:Sept 80:341:15674
Project Management and Contractual Relationships, Samuel L. Hack, CRLS:Jan 79:I-73
Risk and Liability: The Owner's View, Max W. Strauss, CRLS:Jan 79:I-25
Summary Session—B, Henry J. Jacoby, CRLS:Jan 79: II-178
101 Uses for Earth Reinforcement, Michael J. Bartos, Jr., CE:Jan 79:51

Deltas

Effects of Dam Construction and Channelization on Deltaic Wetlands, Arthur R. Benton, Jr., ASDC:80: 183
Offshore Platforms and Pipelines in Mississippi River Delta, Robert G. Bea and Jean M.E. Audibert, GT8:Aug 80:853:15645

Demand
Access, Fares, Frequency: Effects on Airport Traffic, Richard deNeufville and Clifford R. King, TE2:Mar 79:109:14421
Estimating Irrigation Water Quantity and Quality, Otto J. Helweg and Desi Alvarez, IR3:Sept 80:175: 15712
Pivot Point Modeling Procedures in Demand Estimation, Ashok Kumar, TE6:Nov 80:647:15809
Transferability of Demand Estimation Procedures, Jere J. Hinkle, TE4:July 80:369:15545

Demand (Economics)
Recent Safety Developments in Vehicles, King K. Mak, HW80:Mar 80:199

Demand (Irrigation Systems)
Estimating Irrigation Water Quantity and Quality, Otto J. Helweg and Desi Alvarez, IR3:Sept 80:175: 15712

Demand Responsive Transportation Sys
Regional Paratransit Services: An Evaluation, John Collura and Robert P. Warren, TE6:Nov 79:683: 14969

Demographic Projections
Spatial and Demographic Data: A Unified Means for Predicting Urban Service System Performance, Robert M. Clark and Richard M. Males, SU80:June 80:142

Dendrochronology
Augmentation of Hydrologic Records Using Tree Rings, Charles W. Stockton and William R. Boggess, EFHYF:Mar 79:239

Denitrification
Energy Conservation in Activated Sludge Systems, Sal D'Angelo, H. David Stensel and J. C. Goldman, EE4:Aug 80:773:15636
Plant-Scale Operation of a Biological Denitrification Filter System, Jeffrey J. Chen, Preprint No.80-586, Oct 80, 10pp.
Quality in a Florida 1°, 2° and 3° Stream System, Charles M. Courtney, HYUS:June 80:359
A Streamlined Approach to Biological Nitrogen Removal, Laurence J. Sauter, Jr. and James E. Alleman, EE80:July 80:296

Denmark
Dense Bottom Currents in Rotating Ocean, Flemming Bo Pedersen, HY8:Aug 80:1291:15629

Densification
Three-Dimensional Densification for Local Control, Narendra K. Saxena and Alan P. Vonderohe, SU1: Nov 78:63:14129

Density
Buoyant Jet Discharges into Finite Ambient Waters, Iyyanki V. Muralikrishna and Kandula V.N. Sarma, HY5:May 79:14586
Comparison of Areal Snow Sampling Procedures, Walter J. Rawls, Thomas J. Jackson and J. F. Zuzel, IRKB:July 80:356
Frequency Analysis of Snow Course Data, Charles E. Brockway and H. F. Mayland, IRKB:July 80:368
Heat Loss from Sidearms of Cooling Lakes, Terry W. Sturm and John F. Kennedy, HY5:May 80:783: 15398
Modeling Rill Density, Ruh-Ming Li, Victor Miguel Ponce and Daryl B. Simons, TN: IR1:Mar 80:63: 15230
Universal Compression Index Equation, Oswald Rendon-Herrero, GT11:Nov 80:1179:15829

Density Currents
Dense Bottom Currents in Rotating Ocean, Flemming Bo Pedersen, HY8:Aug 80:1291:15629
Density Currents in Sidearms of Cooling Ponds, Subhash C. Jain, EY1:Apr 80:9:15320

Density Functions
Simulation of Water System Seismic Risk, Irving J. Oppenheim, TC2:Dec 79:327:15067

Density Measurement
Continuum Model of Medium with Cracks, Mark Kachanov, EM5:Oct 80:1039:15750

Density Stratification
Interfacial Stability in Channel Flow, Richard H. French, HY8:Aug 79:955:14768

Deoxygenation
In-Stream Deoxygenation Rate Prediction, Raymond M. Wright and Archie J. McDonnell, EE2:Apr 79: 323:14523
Modeling Pollution in Strait of Maracaibo, Gustavo Parra-Pardi, EE5:Oct 80:959:15751

Depreciation
Current Equipment Practices of Utility Contractors, Jimmie Hinze and W. Bradford Ashton, CO3:Sept 79:225:14816

Depth
Hydraulic Geometry Coefficients of Floodplains, Nani G. Bhowmik, HYCO:Aug 80:86

Desalination
Optimization of Salinity Control in Grand Valley, Wynn R. Walker, Gaylord V. Skogerboe and Robert G. Evans, IR1:Mar 79:15:14455
Water Source Investigation for Newport News, Va., Robert C. Dolecki, Richard E. Underhill and James A. Rhodes, EE80:July 80:249

Desalination Plants
Multimillion-Acre Tea Bag, George Svenson, CE:Feb 80:47

Desalting
East Mesa Geothermal Test Site, Wayne A. Fernelius and Martin K. Fulcher, EE1:Feb 79:13:14361

Design
Airports of Micronesia - Airline Considerations, Clifford T. Argue, MGC:July 80:34
Air Terminal Design: Decentralization and Shape, John P. Braaksma and W. Alex Ramsay, TE6:Nov 79:699:14945
Application of a Graphics-Oriented Building Design System, M. M.E. Jeffries and M. R. Dyer, CP80: June 80:16
The Behaviour and Design of Housing Slabs on Expansive Clays, John E. Holland, William G. Pitt, Charles E. Lawrance and Dominic J. Cimino, SLS: June 80:448
Computerized Construction Quantity Record Keeping, Elias C. Tonias, TC2:Dec 79:291:15074
Connecticut River Fishways: Model Studies, Dean K. White and Bruce J. Pennino, HY7:July 80:1219: 15554
Construction and Design of Large Cooling Towers, Wolfgang Zerna and Ihsan Mungan, ST2:Feb 80: 531:15217
Design Effluent Quality, Ralph E. Roper, Jr., Roger O. Dickey, Stephen Marman, Steve W. Kim and Robert W. Yandt, EE2:Apr 79:309:14518
Design of an LNG Terminal in Canada's High Arctic, Alvin F. McDonald, PO80:May 80:489
Design Today for Tomorrow, Linda L. Gerbode, PO80:May 80:186
Digital Terrain Models in Civil Engineering Design, Robert N. Eli and Ronald W. Eck, CP80:June 80: 122
Drainage in the Humid Region of the Pacific Northwest, Gordon W. Stroup and Donald L. Stettler, IRKA:July 80:251
Identification and Nature of Risks—D, Harry Sutcliffe, CRLS:Jan 79:II-40
Integrated Port Design and Planning Process, Martin T. Czerniak, Arthur Rubinstein and J. Ian Collins, PO80:May 80:440

Motivating Foremen on Large Construction Projects, Nancy Morse Samelson and John D. Borcherding, CO1:Mar 80:29:15276
Optimal Design for Stability under Multiple Loads, Hari K. Turner and Raymond H. Plaut, EM6:Dec 80:1365:15946
Optimization in Design of Pumping Systems, Arun K. Deb, EE1:Feb 78:127:13543
Pavement Analysis by Programmable Calculators, Per Ullidtz and Kenneth R. Peattie, TE5:Sept 80:581:15682
Practical Design of Pipeline Control & Flexibility, James J. Van Houtte, C080:80:121
Prestressed Concrete Members in Direct Tension, Robert J. Wheen, ST7:July 79:1471:14693
Probability Model for Design Live Loads, Philip L. Chalk and Ross B. Corotis, ST10:Oct 80:2017:15753
Solution for Second-Moment Reliability Index, David B. Parkinson, EM5:Oct 78:1267:14094
Stumbling Blocks to Effective Management, H. B. Cooke, CE:Mar 80:66
Summary Report of Questionnaire on Specifications (Owner and Owner Representative Returns), Joseph Goldbloom, Chmn., CO3:Sept 79:163:14799
Systematic Evaluation of Navigation in Harbors, Ronald K. Gress and John D. French, PO80:May 80:568
Wave Tank Use In Small Boat Harbor Design, Newport News, Virginia, Christopher S. Welch, Evon Paul Ruzecki, Robert James Lukens and Ching Seng Fang, PO80:May 80:614

Design Criteria

Analysis and Design of Equalization Facilities, Gilles G. Patry, EE80:July 80:183
Computer Aids for the Organization of Standards, James Robert Harris and Richard N. Wright, CP80:June 80:112
Cooling Tower Pump Intakes, Gary Fain, Robert Cornman and Fred Antunes, Preprint No.80-651, Oct 80, 15pp.
Design and Construction of Long-Span Metal Culverts, Ernest T. Selig, John F. Abel, Fred H. Kulhawy and William E. Falby, CE:Mar 79:68
Design Criteria for Cooling-Water Outlet Structures, Michael Schatzmann and Eduard Naudascher, HY3:Mar 80:397:15239
Drainage System Design and Implementation in Southwestern British Columbia, Brian E. Baehr, IRKA:July 80:274
Drip Irrigation Design Equations, Victor A. Gillespie, Allan L. Phillips and I-Pai Wu, IR3:Sept 79:247:14819
Drip Irrigation Design on Nonuniform Slopes, I-Pai Wu and Harris M. Gitlin, IR3:Sept 79:289:14829
Engineering Design Variables for the Activated Sludge Process, Lloyd W. Weller, Chmn., EE3:June 80:473:15509
Extended Aeration Treatment at Maryland State Parks, James E. Alleman and Joanne S. Colt, EE80:July 80:175
Highway Design Criteria: Problems and Projections, Graeme D. Weaver, C. V. Wootan and Donald L. Woods, HW80:Mar 80:38
James Powerhouses—Layout and Design Criteria, Klaus R. Ludwig and Richard T. Olive, EY2:Oct 80:235:15771
Microzonation in Wind Engineering, Marshall Lew and Gary C. Hart, ST6:June 79:975:14631
Proposed AISC LRFD Design Criteria, Frank J. Heger, TN: ST3:Mar 80:729:15231
Rational Design of Overland Flow Systems, C. James Martel, Donald Dean Adrian, Thomas F. Jenkins and Robert E. Peters, EE80:July 80:114
A Review of Design Fundamentals is Needed, Mark J. Hammer, EE80:July 80:167
Seismic Design Criteria for Fossil Plant Structures, Sukhmander Singh, Mayasandra K. Ravindra and Thomas G. Longlais, Preprint No.80-647, Oct 80, 20pp.
Seismic Design Criteria for Underground Pipelines, Leon Ru-Liang Wang and Raymond Chong-Yu Fung, TE6:Nov 80:747:15848
Siting of Hazardous Waste Management Facilities, Dawn D. Roderique and Timothy D. Van Epp, EE80:July 80:320

Design Data

Hydraulics of Microtube Emitters, Krishanlal C. Khatri, I-Pai Wu, Harris M. Gitlin and Allan L. Phillips, IR2:June 79:163:14613
Interactive Strength of Two Structural Parameters, Raymond M.L. Ting, ST2:Feb 80:463:15197

Design Improvements

Computerizing Public Works Design, Ann E. Seltz-Petrash, CE:May 80:76

Design Modifications

The Trade Contractors' View of Construction Management, Donald S. Barrie, CO4:Dec 79:381:15081

Design Standards

Design Specification Representation and Analysis, William Rasdorf and Steven J. Fenves, CP80:June 80:102
Software for Analysis of Standards, Steven J. Fenves, CP80:June 80:82
Using Design Specifications for Design, Neal M. Holtz and Steven J. Fenves, CP80:June 80:92

Detention Reservoirs

Detention/Retention Stormwater Designs, Harvey H. Harper, Claude L. Cassagnol and Martin P. Wanielista, Preprint No.80-599, Oct 80, 11pp.
Detention Storage for Urban Flood Control, David P. Smith, Jr. and Philip B. Bedient, WR2:July 80:413:15555
Downstream Effects of Stormwater Management Basins, Richard H. McCuen, HY11:Nov 79:1343:14977
Evaluation of Alternative Stormwater Detention Policies, Gregory E. Kamedulski and Richard H. McCuen, WR2:Sept 79:171:14806
North City West Drainage Investigation, James S. Jenks, Thomas C. MacDonald and Robert B. Ebert, HYUS:June 80:405
Performance of Package Water Treatment Plants, James M. Morand and Matthew J. Young, EE80:July 80:526
Rational Design of Overland Flow Systems, C. James Martel, Donald Dean Adrian, Thomas F. Jenkins and Robert E. Peters, EE80:July 80:114
Retention/Detention Basins in Coastal Areas, A. B. Pennell, HYUS:June 80:299
Stormwater Detention Basin Sizing, Kit R. Burton, TN: HY3:Mar 80:437:15229
Stormwater Detention in Developing Watersheds, Christopher B. Amandes and Philip B. Bedient, EE2:Apr 80:403:15335
Stormwater Runoff Modeling of a Planned Community, Kevin J. Smolenyak, HYUS:June 80:378
Temporary Detention Cuts Storm Flow Peaks, Ayoub Talhami, CE:Dec 80:72

Deterioration

New York: Water City, Ann E. Seltz-Petrash, CE:June 79:83

Developing Countries

Environment and Water Development in Third World, Asit K. Biswas, WR1:Mar 80:319:15295
Improving the Utilization of Overseas Irrigation Systems, James M. Wolf and Francis E. Borcalli, IRKA:July 80:205
Paratransit in Developing Countries, Sigurd Grava, MGC:July 80:278
Recruiting in Underdeveloped Countries, Altaf Hussain, EI4:Oct 79:183:14878
Tips for Training Workers in the Development World, Richard H. Wall, CE:Dec 80:65
UN Water Conference: Scope for Transfer of Knowledge in Its Action Plan, Habte Mariam Neghassi, WR1:Mar 80:351:15249

Development
Applicability of Joint Development Tools in Detroit, Kenneth S. Opiela, Snehamay Khasnabis and Ronald G. Arbogast, UP1:Nov 80:71:15861
Development And Use Of Force Pulse Train Generators, Frederick B. Safford and Sami F. Masri, EM81:Jan 81:72
Preferential Acquisition of Development Rights, Steven J. Foute, UP1:May 78:41:13732

Devonian Period
Water Resources Implications of Energy Development, Jeffrey S. Mahan and Jay D. White, EY1:Apr 80:45:15366

Dewatering
Best Ways to Dewater Dredged Material, T. Allan Haliburton, CE:Aug 79:57
Earth-Filled Slurry Walls Provide Economical Seepage Control, Ronald A. Antonino, CE:Apr 80: 72
Moisture Retention of Landfilled Solid Wastes, Raymond L. Huitric, Sagar Raksit and Roger T. Haug, EE80:July 80:55
Simulation Model for Open Pit Mine Dewatering, Catherine Kraeger-Rovey, HYCO:Aug 80:107

Diagnostic Routines
Diagnostic Testing of a Bridge, Baidar Bakht and Paul F. Csagoly, ST7:July 80:1515:15547

Diaphragms (Mechanics)
Box Girder Bridge Diaphragms with Openings, Michel A. Sargious, Walter H. Dilger and Hugh Hawk, ST1:Jan 79:53:14314
Corrugated Shear Diaphragms, Kinh H. Ha, ST3:Mar 79:577:14449
Nonlinear Analysis of Cold-Formed Steel Shear Diaphragms, Erdal Atrek and Arthur H. Nilson, ST3:Mar 80:693:15257
Simplified Design of Corrugated Shear Diaphragms, Kinh H. Ha, Noor El-Hakim and Paul P. Fazio, ST7:July 79:1365:14681

Diatomaceous Earth
Filtration for Treating Metal-Finishing Wastes, Charles H.H. Yeh and Mriganka M. Ghosh, EE80: July 80:546

Diesel Engines
Overview of DOE Programs for Energy Efficiency in Transportation, Richard T. Alpaugh and James S. Moore, MGC:July 80:148

Diesel Fuels
Diesel Fuel Forecasts in Virginia, Antoine G. Hobeika and Frank Tamberrino, MGC:July 80:172
Impact of Energy on Future Transportation Systems, Robert L. Maxwell, TE4:July 80:415:15562

Differential Settlement
Case Histories of Harbor Developments in Weak Soils, William Enkeboll and Vernon A. Smoots, WW4:Nov 80:429:15832

Diffraction
Diffraction of Water Waves by Isolated Structures, Volker W. Harms, WW2:May 79:131:14561
Diffraction of Waves by Shore-Connected Breakwater, Volker W. Harms, HY12:Dec 79:1501: 15075
Irregularities in Solutions of Nonlinear Wave Diffraction Problem by Vertical Cylinder, Touvia Miloh, TN: WW2:May 80:279:15385
Perturbation Methods in Diffraction, John V. Wehausen, TN: WW2:May 80:290:15385
Vertical Cylinders of Arbitrary Section in Waves, Michael de St. Q. Isaacson, WW3:Aug 78:309: 13973
Wave Diffraction by Absorbing Wedge, Jesper Larsen, WW4:Nov 79:439:15000

Diffusers
Bouyant Jet Behavior Near the Maximum Rise, Roger B. Wallace and Steven J. Wright, HYCO: Aug 80:356
Connecticut River Fishways: Model Studies, Dean K. White and Bruce J. Pennino, HY7:July 80:1219: 15554
Heat Recirculation Induced by Thermal Diffusers, Joseph H.W. Lee, Gerhard H. Jirka and Donald R.F. Harleman, HY10:Oct 79:1219:14929
Line Plume and Ocean Outfall Dispersion, Philip J.W. Roberts, HY4:Apr 79:313:14488
Mathematical Model for Staged Diffuser Discharge, Dominique N. Brocard, Charles H. Beauchamp and Shih-Kuan Hsu, HYCO:Aug 80:154
Near Field Mixing of Staged Diffuser, Joseph H.W. Lee, HY8:Aug 80:1309:15654
Numerical Analysis of Wide-Angled Diffusers in Turbulent Flow, Riccardo Sala, Pier Luigi Vivarelli and Gianni Garuti, HY5:May 80:629:15402
Ocean Outfall Dilution: Effects of Currents, Philip J.W. Roberts, HY5:May 80:769:15429
Short Thermal River Diffusers, Alfred David Parr, J. G. Melville and J. J. Dlubac, HYCO:Aug 80:131
Staged Multiport Diffusers, Charles W. Almquist and Keith D. Stolzenbach, HY2:Feb 80:285:15185

Diffusion
Accurate Calculation of Transport in Two Dimensions, Forrest M. Holly, Jr. and Alexandre Preissmann, HY11:Nov 77:1259:13336
The Concepts Defining the Rate of Swell of Expansive Soils, P. W. Mitchell, SLS:June 80:106
Developing Zone Characteristics in Aerated Flows, B. S. Thandaveswara and Nagar S. Lakshmana Rao, HY3:Mar 78:385:13605
Experiments on Arrested Saline Wedge, John P. Grubert, HY6:June 80:945:15484
Flow Routing in Tailwater Streams, Michael G. Ferrick, HYCO:Aug 80:192
Limitations of the Axis Translation Technique, K. A. Bocking and D. G. Fredlund, SLS:June 80:117
Mathematical Modeling of the Displacement of Preadsorbed Organics in Fixed-Bed Adsorbers, John C. Crittenden, Bryant W.C. Wong, William E. Thacker, Vernon L. Snoeyink and Richard L. Hinrichs, EE80:July 80:274
Model for Suspended Sediment Transport, Peter M.J. Kerssens, Adry Prins and Leo C. van Rijn, HY5: May 79:461:14574
Physical Model for Steel Corrosion in Concrete Sea Structures—Application, Zdenek P. Bazant, ST6: June 79:1155:14652
Selection of Air-Quality Models, A. L. Wilson and T. A. Peters, TC1:Apr 79:113:14494
Sensitivity and Sensibility in Air Quality Models, Michael L. Hatmaker, CAAA:Nov 79:250
Sensitivity of the Prych-Davis-Shirazi Model, Barry A. Benedict and John W. Preston, Jr., HYCO:Aug 80:322
Study in Physical Theory of Expansiveness in Clays, Ewa T. Stepkowska, SLS:June 80:136
Submerged Horizontal Jet over Erodible Bed, S. S. Chatterjee and S. N. Ghosh, HY11:Nov 80:1765: 15820
Temporal Moments for Longitudinal Dispersion, Yuh Hua Tsai and Edward R. Holley, HY12:Dec 78: 1617:14266

Diffusion Coefficient
The Concepts Defining the Rate of Swell of Expansive Soils, P. W. Mitchell, SLS:June 80:106
Sediments Suspended in Stream Flow, Sergei M. Antsyferov and Ruben D. Kos'yan, HY2:Feb 80: 313:15216
Sensitivity of the Prych-Davis-Shirazi Model, Barry A. Benedict and John W. Preston, Jr., HYCO:Aug 80:322

Diffusion Pumps
Short Thermal River Diffusers, Alfred David Parr, J. G. Melville and J. J. Dlubac, HYCO:Aug 80:131

Diffusivity
Aquifer Diffusivity from Noisy Boundary Data, Budhi Sagar and Sita Ram Singh, HY8:Aug 79:943: 14765

Digesters
Digester Gas Utilization Programs, Raymond R. Rimkus, John M. Ryan and Alfred J. Michuda, EE6:Dec 80:1071:15902

Digestion
Aerobic Digestion of Waste Activated Sludge, C. Scott Reece, Ralph E. Roper, Jr. and C. P. Leslie Grady, Jr., EE2:Apr 79:261:14522

Digital Mapping
Use of Digital Terrain Data in Topographic Analysis, Siamak Khorram and H. Gregory Smith, ASDC:80: 368
WAMS: A Computer-Based Mapping and Data Base Management System, Harry A. Niedzwaiadek and George R. Hoffman, ASDC:80:359

Digital Systems
Low-Investment Access to LANDSAT Digital Analysis, Roger G. Anderson and Elaine I. Marinello, CP80:June 80:37

Digital Techniques
Plotter Applications in Highway Design, William T. Till, TC1:Apr 79:239:14539

Digital Terrain Model
Digital Terrain Models in Civil Engineering Design, Robert N. Eli and Ronald W. Eck, CP80:June 80: 122

Dikes
Use of Porous Dike to Reduce Entrainment and Entrapment in Power Plant Cooling Water Systems, Barry A. Ketschke, CZ80:Nov 80:649

Dilatancy
Constitutive Model for Short-Time Loading of Concrete, Niels Saabye Ottosen, EM1:Feb 79:127: 14375
Slip-Dilatancy Model for Cracked Reinforced Concrete, Zdenek P. Bazant and Tatsuya Tsubaki, ST9:Sept 80:1947:15704

Dilatancy (Soils)
Prefailure and Post-Failure Soil Plasticity Models, M. M. Mehrabadi and Stephen C. Cowin, EM5:Oct 80: 991:15755

Dilution
Line Plume and Ocean Outfall Dispersion, Philip J.W. Roberts, HY4:Apr 79:313:14488
Ocean Outfall Dilution: Effects of Currents, Philip J.W. Roberts, HY5:May 80:769:15429
Staged Multiport Diffusers, Charles W. Almquist and Keith D. Stolzenbach, HY2:Feb 80:285:15185

Dimensional Analysis
Bouyant Jet Behavior Near the Maximum Rise, Roger B. Wallace and Steven J. Wright, HYCO: Aug 80:356
Physical Modeling of Bubble Screens, Sahim Tekeli and W. Hall C. Maxwell, WW1:Feb 80:49:15176
Spurious Correlation in Dimensional Analysis, Khalid Mahmood and M. M. Siddiqui, EM1:Feb 80:93: 15198
Two-Dimensional Buoyant Jets in Stratified Fluid, Steven J. Wright and Roger B. Wallace, HY11:Nov 79:1393:15003
Vortex Formation at Vertical Pipe Intakes, Akalank K. Jain, Kittur G. Ranga Raju and Ramachandra J. Garde, HY10:Oct 78:1429:14104

Dimensions
Optimum Proportions of Cylindrical Steel Water Tanks, Kiran K. Singh and Prabhata K. Swamee, TN: ST5:May 80:1193:15384
Stormwater Detention Basin Sizing, Kit R. Burton, TN: HY3:Mar 80:437:15229
Variations in Dimensions of Reinforced Concrete Members, Sher Ali Mirza and James G. MacGregor, ST4:Apr 79:751:14495

Diorite
X-Ray Analysis and Suspended Sediment Source Area, Carlton S. Yee and Annette Parsons, IRKB: July 80:442

Direct Costs
Direct Cost/Revenue Shortfalls in Transportation, S. David Phraner and Victor Gulewicz, UT79A:July 79:60
Direct Costs of Highway Travel, Kiran U. Bhatt, UT79A:July 79:19

Disasters
A Federal Perspective on Lifeline Seismic Safety, Richard J. Green, C080:80:1
Lifelines, Seismic Hazards and Public Policy, Charles Conrad Thiel, Jr., C080:80:6
Seismic Hazards and Public Policy as Viewed by a Local Agency, James E. McCarty, C080:80:28
Utility Lifelines and Economic Activity in the Context of Earthquakes, Adam Zachary Rose, C080:80:107

Discharge
Impact of Vertical Scale Distortion on Turbulent Mixing in Physical Models, Benjamin R. Roberts and Robert L. Street, HYCO:Aug 80:261
Mathematical Model for Staged Diffuser Discharge, Dominique N. Brocard, Charles H. Beauchamp and Shih-Kuan Hsu, HYCO:Aug 80:154
A Model Structure for Stream Systems, John B. Stall, HYCO:Aug 80:98
A One-Dimensional Flow Model of the Potomac River, Raymond W. Schaffranek and Robert A. Baltzer, HYCO:Aug 80:292
Short Thermal River Diffusers, Alfred David Parr, J. G. Melville and J. J. Dlubac, HYCO:Aug 80:131
Thermal Discharge Investigation, Yung Y. Shen and Richard S. McGinnis, HYCO:Aug 80:13
Zero Discharge Waste Management for a Coal-Fired Power Plant under Environmental and Resource Constraints, R. T. Fellman, M. F. Kuo, H. H. Yeh and J. F. Fitzpatrick, EE80:July 80:221

Discharge (Water)
The Benefits of Uncertainty: Probability in Short and Long Term Hydrologic Forecasting, Rafael L. Bras, EFHYF:Mar 79:141
Case Study—Stream Deposition and Changing Land Use, Gary R. Dyhouse and David T. Williams, IRKB:July 80:215
Development of Makeup-Line Safe-Operating Criteria, Peter K. Su and Irving Joseph, HY2:Feb 80:269:15183
Hydrologic Simulation of the Effects of Forest Removal, D. S. Chanasyk and Jacobus P. Verschuren, IRKB:July 80:452
Lateral Weir Flow Model, Amruthur S. Ramamurthy and Luis Carballada, IR1:Mar 80:9:15285
Natural Fluctuations of Water Quality in a Headwater Stream, Joe F. Nix, EFHYF:Mar 79:391
Sediment-Morphology Relations of Alluvial Channels, Waite R. Osterkamp, IRKB:July 80:188
Sediment Transport in a Pool-Riffle Stream, James Milligan, Edward Chacho and Myron Molnau, IRKB:July 80:430
Uniformly Discharging Lateral Weirs, Amruthur S. Ramamurthy, Kanakati Subramanya and Luis Carballada, IR4:Dec 78:399:14252

Discharge Coefficients
Compound Weir Discharge, Fred W. Blaisdell and Clayton L. Anderson, HY7:July 79:817:14688
San Francisco Ocean Outfall Port Valve Development, Loring E. Hanson, Henry H.C. Lin, Allen L. Davis, John S. Readshaw and Robert T. Hudspeth, HYCO:Aug 80:51

Discontinuities
Empirical Strength Criterion for Rock Masses, Evert Hoek and Edwin T. Brown, GT9:Sept 80:1013: 15715
Strain and Displacement Discontinuities in Soil, Guy T. Houlsby and C. Peter Wroth, EM4:Aug 80:753: 15637

Discontinuities (Structural Geology)
RQD and Fracture Spacing, Richard E. Goodman and H. Rodney Smith, TN: GT2:Feb 80:191:15193

Discriminate Analysis
Development of a Landfill Classification System, Michael U. Flanders, CP80:June 80:239

Discrimination
Hydrologic Generating Model Selection, Keith William Hipel, Edward A. McBean and Angus Ian McLeod, WR2:Sept 79:223:14817

Discussion Groups
Summary of Open Discussion, D. R. Snethen, A. Ruckman, D. G. Fredlund, R. L. Lytton, R. G. McKee, W. G. Holtz, M. L. Steinburg, D. H. van der Merwe, Z. Ofer, C. Coffee, E. Stepkowska, B. Balasubramonian, A. A.B. Williams, H. Reitz and P. Mitchell, SLS:June 80:717
Summary of Panel Discussion on Testing and Prediction Methods, Leonard Krazynski, V. Escario, D. G. Fredlund, R. L. Lytton, John Holland, R. G. McKeen, Peter Mitchell and A. A.B. Williams, SLS:June 80:683

Diseases
Wastewater Risk Assessment, Neil J. Hutzler and William C. Boyle, EE5:Oct 80:919:15748
Water: A Perspective on Global Issues and Politics, Asit K. Biswas, WR2:Sept 79:205:14815

Disinfectants
How to Remove Trihalomethanes from Drinking Water, Robert C. Siemak, R. Rhodes Trussell, Albert R. Trussell and Mark D. Umphres, CE:Feb 79:49

Disinfection
Feasibility of Wastewater Treatment with Ferrate, Thomas D. Waite, EE6:Dec 79:1023:15030
Kinetics of Bacterial Deactivation with Chlorine, Robert E. Selleck, Bernard M. Saunier and Harvey F. Collins, EE6:Dec 78:1197:14247

Dislocations (Materials)
Response of Layer to Strike-Slip Vertical Fault, Marijan Dravinski and Mihailo D. Trifunac, EM4: Aug 80:609:15610

Dispersion
Aerodynamics in Air Pollution Modeling, Hua Wang and Henry Liu, TE2:Mar 80:171:15263
Atmospheric Sublayer Transport and Odor Control, George E. Wilson, Jerry Y.C. Huang and Terry W. Schroepfer, EE2:Apr 80:389:15358
Bouyant Jet Behavior Near the Maximum Rise, Roger B. Wallace and Steven J. Wright, HYCO: Aug 80:356
Buoyant Jet Discharges into Finite Ambient Waters, Iyyanki V. Muralikrishna and Kandula V.N. Sarma, HY5:May 79:14586
Calibrating the Chesapeake Bay Circulation Model?, Raymond Walton, M. A. Granat and Robert P. Shubinski, HYCO:Aug 80:387
Design Criteria for Aerobic Aerated Lagoons, Dhandapani Thirumurthi, EE1:Feb 79:135:14392
Design Criteria for Cooling-Water Outlet Structures, Michael Schatzmann and Eduard Naudascher, HY3:Mar 80:397:15239
Determination of Aquifer Transport Parameters, Gunter Hibsch and Andrzej Kreft, HY9:Sept 79: 1137:14833
Developing Zone Characteristics in Aerated Flows, B. S. Thandaveswara and Nagar S. Lakshmana Rao, HY3:Mar 78:385:13605
Dispersion in Rivers as Related to Storage Zones, George V. Sabol and Carl F. Nordin, Jr., HY5:May 78:695:13758
Dispersion in Rough Rectangular Channels, Eric M. Valentine and Ian R. Wood, HY12:Dec 79:1537: 15088
Dispersion in Two-Layer Stratified Water Bodies, George C. Christodoulou and Jerome J. Connor, HY4:Apr 80:557:15342
Dispersion Modeling in Time and Two Dimensions, Jonathan F. Henry and Edward G. Foree, EE6:Dec 79:1131:15054
An Environmental Study to Assess The Effect of Drilling Fluids on Water Quality Parameters During High Rate, High Volume Discharge to the Ocean., R. C. Ayers, Jr., T. C. Sauer, Jr., D. O. Stuebner and R. P. Meek, CZ80:Nov 80:1730
Estuarine Circulation from Dye-Buoy Photogrammetry, John C. Munday, Jr., Christopher S. Welch and Hayden H. Gordon, PO80:May 80: 417
Evaluating Odor Reduction Technologies: Model, Robert C. Balling, Jr. and Carroll E. Reynolds, EE5:Oct 80:901:15743
Experiments in Longitudinal Dispersion with Dead Zones, Eric M. Valentine and Ian R. Wood, HY8: Aug 79:999:14790
Formulating Lake Models which Preserve Spectral Statistics, Christos Babajimopoulos and Keith W. Bedford, HY1:Jan 80:1:15137
Hydraulic Modeling of Mixing in Stratified Lakes, Peter M. Moretti and Dennis K. McLaughlin, HY4: Apr 77:367:12868
Impact of Vertical Scale Distortion on Turbulent Mixing in Physical Models, Benjamin R. Roberts and Robert L. Street, HYCO:Aug 80:261
Longitudinal Dispersion in Rivers, Spyridon Beltaos, HY1:Jan 80:151:15118
Mixing of Buoyant Surface Jet over Sloping Bottom, Bijan Safaie, WW4:Nov 79:357:14954
Modified Fickian Model for Predicting Dispersion, Henry Liu and Alexander H.D. Cheng, HY6:June 80:1021:15454
New Approach to Predict Lime Reactivity of Soils, Aloysius Kweku Castel and Kandiah Arulanandan, TN: GT4:Apr 79:563:14476
Numerical Simulation of Mixing in Natural Rivers, Terrence O. Harden and Hung Tao Shen, HY4:Apr 79:393:14501
Ocean Outfall Dilution: Effects of Currents, Philip J.W. Roberts, HY5:May 80:769:15429
Open Channel Flow with Suspended Sediments, Tadaoki Itakura and Tsutomu Kishi, HY8:Aug 80: 1325:15650
Presentation of Longitudinal Dispersion Data, Philip C. Chatwin, HY1:Jan 80:71:15150
Strategy Evaluation — Minnesota Small Urban Areas, Katheryn Briscoe, CAAA:Nov 79:11
Surface Dispersion in Wave Flume, Aysen Ergin, WW4:Nov 80:449:15854
Temporal Moments for Longitudinal Dispersion, Yuh Hua Tsai and Edward R. Holley, HY12:Dec 78: 1617:14266
Transient Mixing in River Channels, Hung Tao Shen, EE3:June 78:445:13810
Two-Dimensional Buoyant Jets in Stratified Fluid, Steven J. Wright and Roger B. Wallace, HY11:Nov 79:1393:15003
Two-Dimensional Plume in Uniform Ground-Water Flow, John L. Wilson and Paul J. Miller, HY4:Apr 78:503:13665
Verifying Lake Transport Models with Spectral Statistics, Keith W. Bedford and Christos Babajimopoulos, HY1:Jan 80:21:15138

Dispersion (Soils)
Dispersion Estimates for Hydraulic Dredge Spoil, Marvin R. Pyles and Warren L. Schroeder, EE3: June 79:571:14625
Interparticle Action and Rheology of Dispersive Clays, Raymond N.Y. Yong, Amar J. Sethi, Harald P. Ludwig and Mary A. Jorgensen, GT10:Oct 79: 1193:14903

Dispersion Relations
Determination of Aquifer Transport Parameters, Gunter Hibsch and Andrzej Kreft, HY9:Sept 79: 1137:14833

Displacement
Matrix Formulation of Curved Girders, Chai Hong Yoo, EM6:Dec 79:971:15078
Modifications and Thermal Corrections for Stress and Displacement Instrumentation — Stripa, Sweden, M. Board, P. Nelson, T. Schrauf, A. Dubois, R. Lingle and H. Pratt, Preprint No.80-167, Apr 80, 18pp.
Response of Tunnels to Incident SH-Waves, Vincent W. Lee and Mihailo D. Trifunac, EM4:Aug 79:643: 14749
Seismically Induced Sliding of Massive Structures, Eduardo Kausel, Albert Stanley Lucks, Lewis Edgers, William F. Swiger and John T. Christian, GT12:Dec 79:1471:15065
Strain and Displacement Discontinuities in Soil, Guy T. Houlsby and C. Peter Wroth, EM4:Aug 80:753: 15637
Trilateration Adjustment by Finite Elements, Naguib F. Danial and Theodor Krauthammer, SU1:Nov 80: 73:15812

Displacements
Torsion of Core Walls of Nonuniform Section, Te-Chang Liauw and Wang-Kwong Luk, ST9:Sept 80: 1921:15707

Disposal
Erosion by Circular Wall Jets in Cross Flow, Nallamuthu Rajaratnam, HY11:Nov 80:1867:15842

Dissipation
Heat Recirculation Induced by Thermal Diffusers, Joseph H.W. Lee, Gerhard H. Jirka and Donald R.F. Harleman, HY10:Oct 79:1219:14929
Pore-Pressure Dissipation During Offshore Cyclic Loading, Geoffrey R. Martin, Ignatius Lam and Chan-Feng Tsai, GT9:Sept 80:981:15706

Dissolved Oxygen
Assimilative Capacity of Small Streams, Chenchayya T. Bathala, Khirod C. Das and Wesley D. Jones, EE6:Dec 79:1049:15082
Estimation of BOD and DO Probability Distribution, William J. Padgett and A. N.V. Rao, EE3:June 79: 525:14620
Field Study for Landsat Water Quality Verification, Donald Steven Graham and J. M. Hill, AS80:Aug 80:101
Fish, Flushing, and Water Quality: Their Roles in Marina Design, Rick D. Cardwell, Ronald E. Nece and Eugene P. Richey, CZ80:Nov 80:84
Low Flow and Stormwater Quality in Urban Channels, Philip B. Bedient, Jeff L. Lambert and Paulo Machado, EE2:Apr 80:421:15336
Mathematical Modeling of Dissolved Oxygen in Mixed Estuaries, Yasar F. Ozturk, EE5:Oct 79:883: 14923
Modeling Pollution in Strait of Maracaibo, Gustavo Parra-Pardi, EE5:Oct 80:959:15751
Modeling Waste Assimilation After Channelization, Edward C. Davis and Edward L. Thackston, EE80: July 80:153
Oxygen Transfer Measurements in Respiring Systems, John R. Stukenberg, EE80:July 80:78
Parameter Estimation of Streeter-Phelps Models, Sergio Rinaldi, Paolo Romano and Rodolfo Soncini-Sessa, EE1:Feb 79:75:14377
Probabilistic Water Quality Control Policies, B. N. Lohani and N. C. Thanh, EE4:Aug 79:713:14761

Dissolved Solids
Coal Mining Effects on Western Groundwater Quality, Rollin H. Hotchkiss and J. Paul Riley, IRKA:July 80:1
Dissolved Solids from Appalachia Coal Mining, Jack D. Generaux and Keith O. Eggleston, IRKB:July 80:607
The Impact of Irrigation on Ground Water Quality, David L. Carter, IRKA:July 80:13
Oxygen Transfer Standard—Basin Geometry and Mixing (Abstract), Thomas C. Rooney and Ronald N. Salzman, EE80:July 80:94

Distance Measuring Equipment
Monitoring Large Structures by Precise Survey, Kenneth D. Robertson, ASDC:80:277
Surveying Takes Another Giant Step Forward, Eugene E. Dallaire, CE:Feb 79:60

Distortion
Web Distortion and Flexural-Torsional Buckling, Gregory J. Hancock, Mark A. Bradford and Nicholas S. Trahair, ST7:July 80:1557:15539

Distributed Processing
Distributed Processing, John A. Swanson, Preprint No.80-052, Apr 80, 26pp.
On Impact of Distributive Computing in Education, Senol Utku, Joseph Lestingi and Moktar Salama, Preprint No.80-061, Apr 80, 21pp.

Distribution
Distributing Regional Services Costs, Lewis A. Rossman and Patricia Ann Graham, UP1:Jan 79:51: 14284
Near Field Mixing of Staged Diffuser, Joseph H.W. Lee, HY8:Aug 80:1309:15654
Shallow Water Surface Wave Elevation Distributions, Edward F. Thompson, TN: WW2:May 80:285: 15385

Distribution Functions
Mass Transport in Regional Groundwater Basins, Thomas G. Naymik and Lewis D. Thorson, HYCO: Aug 80:407
Multiattribute Utility Theory and Environmental Decisions, John P. Collins and Eugene A. Glysson, EE4:Aug 80:815:15648

Distribution Patterns
Flood Frequency Modeling and Outliers, Krishan P. Singh, HYCO:Aug 80:74
LFD Criteria for Composite Steel I-Beam Bridges, Conrad P. Heins, ST11:Nov 80:2297:15803
Mass Transport in Regional Groundwater Basins, Thomas G. Naymik and Lewis D. Thorson, HYCO: Aug 80:407

District Heating
Indirect Benefits of Cogeneration District Heating, Danilo J. Santini and Elliot P. Levine, Preprint No.80-672, Oct 80, 16pp.

Disturbances
Foundation Response Caused by Disturbance of Clay, Richard P. Weber, GT5:May 78:583:13765

Ditches
Flow Net for Unsaturated Infiltration from Strip Source, Vedat Batu, IR3:Sept 79:233:14822

Diversification
Construction Project Selection and Bernoulli Utility, V. K. Handa and I. F. Georgiades, CO3:Sept 80: 355:15683

Diversion
Water Resources for Chicago — History and Furure, Forrest C. Neil and Frank E. Dalton, WR1:Mar 80: 173:15269

Diversion Structures
Recent Designs of Inlet Systems for Irrigation Pipelines, Karl D. Larson, IRKA:July 80:291

Division
Management System for Large Engineering Firm, W. Dennis Moran, William F. Sommerfeld and R. Timothy Heatwole, TC1:Aug 80:41:15616

Docks
Big Cajun No. 2 Docks: Planning and Design, Duli C. Sharma, PO80:May 80:100
Design of a Tanker Mooring System for Dynamic Loads, Shih-lih Steve Fang and Robert M. Scaneider, PO80:May 80:747
Effect of Dock Resistance on Tanker Mooring Forces, Daryl B. Simons, Yung Hai Chen and Lawrence J. Swenson, HYCO:Aug 80:419
Mooring System Management, John Mascenik and Richard B. Harley, PO80:May 80:763
New Coast Guard Icebreakers for the Fourth Coast, Alan S. Gracewski, CZ80:Nov 80:624
Port Throughput Study Using Simulation Technique, Alan F. Daniell and Mahendrakumar R. Vora, PO80:May 80:282
Recent Design and Construction of Cargo Wharves, Robert R. Adams, MGC:July 80:75
Specialized Fender System Requirements and Design, Robert L. Beach and Noel B. Davis, PO80:May 80:534
Surging in the Shark River Boat Basin, J. Richard Weggel and Robert M. Sorensen, PO80:May 80:640
Venezuelan Dock Features Unconventional Design, Quick Set-Up, CE:July 80:63

Documentation
Engineering Software Selection Criteria, Peter F. Zoll, CP80:June 80:67

Dolphins (Structures)
Fender System Requirements at Open-Sea Berths, Bela Koman, PO80:May 80:520
A New Type of Single Point Mooring: "Proud", Rene Loire, PO80:May 80:369
POL Pier Damage Investigation and Recommendations, Chinymiim Chern and James C. Wright, PO80:May 80:399

Domes (Structural)
Stability of Lattice Structures Under Combined Loads, Siegfried M. Holzer, Raymond H. Plaut, Arnold E. Somers, Jr. and Willis S. White, III, EM2:Apr 80:289:15322

Domes (Structural Forms)
Analysis of Geodesic Panel Domes, William C. Carpenter, G. Gonzalez and J. Platz, Preprint No.80-538, Oct 80, 13pp.

Domestic Wastes
Wastewater Treatment Costs: Home Conservation Effects, Wallace J. Hopp and William P. Darby, Preprint No.80-098, Apr 80, 20pp.

Doppler Systems
Doppler Satellite Surveying System, Larry D. Hothem, William E. Strange and Madeline White, SU1:Nov 78:79:14132
Geodetic Surveying: The Next Decade, David F. Mezera, SU1:Nov 79:93:14997

Doppler Tracking
Geodetic Surveying: The Next Decade, David F. Mezera, SU1:Nov 79:93:14997

Dowels
Dowel Action in Concrete Beams Subject to Torsion, Mahmoud A. Reda Youssef and Alfred G. Bishara, ST6:June 80:1263:15455
Slip-Dilatancy Model for Cracked Reinforced Concrete, Zdenek P. Bazant and Tatsuya Tsubaki, ST9:Sept 80:1947:15704

Downdrag
Downdrag on Bitumen-Coated Piles, Mohsen M. Baligh, Vitoon Vivatrat and Heinrich Figi, GT11:Nov 78:1355:14141
A Study of Downdrag on a Cast-in-Place Concrete Pile, Antal Partos, GTDF:80:311

Downtime
Threaded Rebars Spin Down Time, CE:Dec 79:76

Drag
Drag of Yawed Pile Groups at Low Reynolds Numbers, David J. Ball and Clifford D. Hall, WW2:May 80:229:15425
Energy Conservation Through Improved Aerodynamics, Frank T. Buckley, Jr., MGC:July 80:160
Flow Coefficients and Computer Models Reliability, A'Alim A. Hannoura, HYCO:Aug 80:366
Forces on Block Bodies Accelerating in Still Fluid, Derek G. Goring and Fredric Raichlen, WW2:May 79:171:14582
General Algorithm for Rough Conduit Resistance, Sushil Kumar and John A. Roberson, HY11:Nov 80:1745:15806
Steady Flow Past Prism in Rectangular Conduit, Clyde C.K. Kwok and Pai Mow Lee, HY7:July 79:845:14697
Use of Electrical Analogs as a Design Tool for Tidal Canals, Robert M. Snyder, Bent A. Christensen and Raymond Walton, HYUS:June 80:119

Drainage
Compaction Effects on Hydraulic Failure Gradients, Lyman S. Willardson and Manuel J. Batista, IRKA:July 80:140
Design Hyetographs for Small Drainage Structures, Ben Chie Yen and Ven Te Chow, HY6:June 80:1055:15452
Detection Methods for Location of Subsurface Water and Seepage, Robert M. Koerner, Jonathan S. Reif and Michael J. Burlingame, GT11:Nov 79:1301:14989
Drainage Design in a Riverine Floodplain System, Robert James Motchkavitz, HYUS:June 80:369
Drainage Design of the Tampa Palms Property, Robert James Motchkavitz, IRKA:July 80:150
Drainage in the Humid Region of the Pacific Northwest, Gordon W. Stroup and Donald L. Stettler, IRKA:July 80:251
Drain Construction on The Columbia Basin Project, Richard Jack Christopher and Keith Campbell, IRKA:July 80:280
Dynamic Water Quality Modeling in Southeast Florida, R. Uwe Jettmar, George K. Young, Armando I. Perez and Robert Oros, EE1:Feb 80:105:15173
Economic Assessment of Storm Drainage Planning, Walter J. Rawls and Richard H. McCuen, WR1:Nov 78:45:14162
Economic Model for Urban Watersheds, Thomas N. Debo and Gerald N. Day, HY4:Apr 80:475:15333
Effects of Subsidence on Stream Hydraulics, Christopher B. Amandes, HYUS:June 80:414
Evaporation Basin Study at Boundary Bend, D. M. Ife, ASDC:80:144
Friction Factors for Corrugated Plastic Drainage Pipe, Ross W. Irwin and Jiri Motycka, IR1:Mar 79:29:14424
Ground-Water Flow Computations by Method of Lines, Antonis D. Koussis and Richard W. Watson, IR1:Mar 80:1:15238
Hydrologic Impact of Small Depressional Watersheds, Curtis L. Moore and Larson, IR4:Dec 80:345:15937
Inland Routing of Hurricane Surges in Wetlands, Armando I. Perez, Robert Laura, John D. Wang and Bernard LeMehaute, HYUS:June 80:347
Laboratory Tests of Gravel Envelope Flow Resistance, E. R. Zeigler and Ray J. Winger, IRKA:July 80:166
Legal Aspect of Expansive Soils, Fu Hau Chen, SLS:June 80:639
Location of Cross-Drainage Structures on Channels, John Russell Tregear, ASDC:80:137
Managing Storm Runoff in Chicago Area, Bart T. Lynam, Forrest C. Neil and Frank E. Dalton, TC2:Dec 79:401:15035
Modeling of Storm Drainage in a Coastal City, Jerome M. Normann, HYUS:June 80:108
The Occurrence and Prediction of Acid Drainage, Frank T. Caruccio, Gwendelyn Geidel and Mike Pelletier, Preprint No.80-658, Oct 80, 14pp.

Proposed Improvements to East Matagorda Bay, Texas, Jack Moger, HYUS:June 80:398
Public Awareness of Homes Built on Shrink-Swell Soils, Wesley G. Holtz, SLS:June 80:617
Research Analysis of Plastic Filters, Phillip M. Demery, IRKA:July 80:398
Roof Design: Avoid Ponding by Sloping to Drain, Gary Van Ryzin, CE:Jan 80:77
A Simple Method to Characterize Watershed Soils, James W. Naney and Lajpat R. Ahuja, IRKB:July 80:731
Slope Effect on House Shrink-Swell Movements, John H. Schmertmann and David K. Crapps, GT12:Dec 80:1327:15943
Sources of Pollution from Agricultural Drainage, Reginald E. Merrill, Ronald M. Van De Pol and Walter E. Ryley, IR2:June 79:137:14605
Stochastic Model of Water Table under Drainage, Budhi Sagar and Christian Preller, IR3:Sept 80:189:15673
Storm Drainage and the Building Community, David E. Johnson, Preprint No.80-512, Oct 80, 9pp.
Stormwater Runoff Modeling of a Planned Community, Kevin J. Smolenyak, HYUS:June 80:378
Synthetic Drain Envelope—Soil Interactions, Lyman S. Willardson and Robert E. Walker, IR4:Dec 79:367:15028
Temporary Detention Cuts Storm Flow Peaks, Ayoub Talhami, CE:Dec 80:72
Tile Drainage of Irrigated Till Soils in Alberta, B. A. Paterson and D. Brook Harker, IRKA:July 80:263
Urban Runoff Management: Future Modeling, Harry C. Torno, TC1:Aug 80:165:15626
Using High Salinity Waters in the Southwest, John R. Erickson, IRKA:July 80:198
Variable Drainable Porosity in Drainage Design, Ashim K. Bhattacharya and Robert S. Broughton, IR1:Mar 79:71:14433
Water Retention Measurement for Soils, Charles Su and Royal H. Brooks, IR2:June 80:105:15483

Drainage Density

Drainage Density as Index of Watershed Development, Philip B. Bedient, Wayne C. Huber and James P. Heaney, IR4:Dec 78:373:14249
Environmental Model of Kissimmee River Basin, Philip B. Bedient, Wayne C. Huber and James P. Heaney, WR2:Nov 77:241:13326

Drainage Structures

Effect of Drainage Inlets on Recreation Facilities, Donald F. Mills, HYUS:June 80:388
Location of Cross-Drainage Structures on Channels, John Russell Tregear, ASDC:80:137

Drainage Systems

Calibration and Application of a Watershed Planning Model, Robert D. Looper, HYUS:June 80:152
Drainage System Design and Implementation in Southwestern British Columbia, Brian E. Baehr, IRKA:July 80:274
Effect of Drainage Inlets on Recreation Facilities, Donald F. Mills, HYUS:June 80:388
Ground-Water Pollution by Septic Tank Drainfields, Foppe B. DeWalle and Russell M. Schaff, EE3:June 80:631:15496
Improving the Utilization of Overseas Irrigation Systems, James M. Wolf and Francis E. Borcalli, IRKA:July 80:205
Temporary Detention Cuts Storm Flow Peaks, Ayoub Talhami, CE:Dec 80:72

Drained Shear Tests

Stress-Path Influence on Drained Deformations of Clay, Chitta R. Gangopadhyay, Subhas C. Das and Nitin N. Som, GT11:Nov 80:1243:15807

Drains

Compaction Effects on Hydraulic Failure Gradients, Lyman S. Willardson and Manuel J. Batista, IRKA:July 80:140
Drain Construction on The Columbia Basin Project, Richard Jack Christopher and Keith Campbell, IRKA:July 80:280
Drain Depth and Subirrigation in Layered Soils, Yau K. Tang and R. Wayne Skaggs, IR2:June 80:113:15457
Response of Cotton to Brackish Irrigation Water (Abstract), Stephen L. Rawlins and James D. Rhoades, IRKA:July 80:197

Drawdown

Aquifer Tests at San Lorenzo Dam, El Salvador, Jing-Yea Yang and Sanford I. Strausberg, HYCO:Aug 80:119
Combination Surface-Subsurface Drainage System for Humid Regions, R. Wayne Skaggs, IR4:Dec 80:265:15883
Nonsteady Flow to Nonpenetrating Well, Rameshwar S. Kanwar, Howard P. Johnson and Herandra S. Chauhan, IR1:Mar 79:45:14458
Simulation Model for Open Pit Mine Dewatering, Catherine Kraeger-Rovey, HYCO:Aug 80:107
Unsteady Drawdown in 2-D Water Table Aquifer, David T. Higgins, IR3:Sept 80:237:15696
Weir and Flume Calibration by Pondage Drawdown, F. Allan Johnson and Christopher S. Green, HY11:Nov 80:1903:15847

Drawings

Plotter Applications in Highway Design, William T. Till, TC1:Apr 79:239:14539

Drawings (Engineering)

Map Content and Symbols: Chapter V of Proposed Manual on Map Uses, Scales, and Accuracies for Engineering and Associated Purposes, Robert P. Jacober, Jr., SU1:Nov 80:41:15851

Dredges

Proposed Improvements to East Matagorda Bay, Texas, Jack Moger, HYUS:June 80:398

Dredge Spoil

Methodology for Effluent Water Quality Prediction, Bert A. Eichenberger and Kenneth Y. Chen, EE1:Feb 80:197:15212

Dredging

Best Ways to Dewater Dredged Material, T. Allan Haliburton, CE:Aug 79:57
Case Study—Stream Deposition and Changing Land Use, Gary R. Dyhouse and David T. Williams, IRKB:July 80:215
Changes to a Flood Plain Caused by Gold Dredging, W. A. Morris, ASDC:80:220
Chemical Impacts of Dredging and Offshore Disposal in Coos Bay, Oregon, P. O. Nelson and Kenneth J. Williamson, Preprint No.80-132, Apr 80, 15pp.
Chesapeake Bay Development Pressures: RAMS Data Base Analysis, Russell C. Eberhart and Thomas J. Dolan, CZ80:Nov 80:532
Coral Reef Protection During Beach Restoration in Florida, Richard Spadoni and Arthur V. Strock, CZ80:Nov 80:152
Dispersion Estimates for Hydraulic Dredge Spoil, Marvin R. Pyles and Warren L. Schroeder, EE3:June 79:571:14625
Engineering Planning of Dike and Polder Airports, Frank T. Wheby, TE3:May 80:245:15417
Engineer's Notebook: Graphs for Saline Wedges in Estuaries, Emmanuel Partheniades, Vassilios Dermisis and Ashish J. Mehta, CE:Jan 80:90
European Dredging—A State of the Art, John F. Hoffman, CZ80:Nov 80:1621
Expediting The Coastal Approval Process, Jeffrey A. Layton and Peter L. Buck, CZ80:Nov 80:1998
Geomorphic Study of Upper Mississippi River, Yung Hai Chen and Daryl B. Simons, WW3:Aug 79:313:14778
Impact of Gravel Mining on River System Stability, Peter F. Lagasse, Brien R. Winkley and Daryl B. Simons, WW3:Aug 80:389:15643
Littoral Sand Transport from Longshore Currents, Todd L. Walton, Jr., TN: WW4:Nov 80:483:15793

Mississippi River Shoaling: A Diagnostic Study, Tatsuaki Nakato, Richard M. Baker and John F. Kennedy, HY11:Nov 79:1375:14978
Model for Suspended Sediment Transport, Peter M.J. Kerssens, Adry Prins and Leo C. van Rijn, HY5: May 79:461:14574
New Foundation System for Granite Seawall, Victor V. Calabretta and Peter Sullivan, PO80:May 80:807
Offshore Artificial Islands — Energy Ports of the Future?, Eugene Chesson, PO80:May 80:61
Oil Terminal Relocation at Long Beach, California, Charles F. Connors and Michael G. Burke, PO80: May 80:172
Proposed Improvements to East Matagorda Bay, Texas, Jack Moger, HYUS:June 80:398
South Padre Island Coastal Zone Management Study, W. G. Roeseler, CZ80:Nov 80:1645
Spoil Islands: Determining How Local Governments Can Manage Them, Mark L. Gumula and R. Grant Gilmore, CZ80:Nov 80:2236
Virginia Ports Workshop, Carvel H. Blair, PO80:May 80:248
Waterfront Master Plan for Kenosha, Wisconsin, J. William Allen, Thomas W. Wood and Ian J. McAlister, CZ80:Nov 80:267

Drift
Approximate Stiffness Analysis of High-Rise Buildings, Ali A.K. Haris, ST4:Apr 78:681:13700
Steady and Oscillating Drift Forces on Floating Objects, Subrata K. Chakrabarti, WW2:May 80:205: 15390

Drilled-In Caissons
Shaft Resistance of Rock-Socketed Drilled Piers, Robert G. Horvath and T. Cameron Kenney, GTDF:80:182

Drilled Pier Foundations
Lateral Load Tests on Drilled Piers in Stiff Clays, Kul Bhushan, Steven C. Haley and Patrick T. Fong, GT8:Aug 79:969:14789
Legal Aspect of Expansive Soils, Fu Hau Chen, SLS: June 80:639
Minimizing Foundation Swell Potential in Yazoo Clay, James E. Laier and Joseph H. Lamar, SLS: June 80:421
Plain Concrete Underreams for Drilled Shafts, J. Steven Farr and Lymon C. Reese, ST6:June 80: 1329:15503
Pull-Out Load Test of a Drilled Pier in Very Stiff Beaumont Clay, Richard A. Pearce and Carl L. Brassow, GTDF:80:331
Shaft Resistance of Rock-Socketed Drilled Piers, Robert G. Horvath and T. Cameron Kenney, GTDF:80:182

Drilling
Energy Dynamics of SPT, John H. Schmertmann and Alejandro Palacios, GT8:Aug 79:909:14769
Instruments for Laboratory and In Situ Measurement of the Lateral Swelling Pressure of Expansive Clays, Z. Ofer, SLS:June 80:45
Rock Anchor System for Securing Failing Wall, Peter J. Nicholson, TE2:Mar 79:199:14434
Statics of SPT, John H. Schmertmann, GT5:May 79: 655:14573
Structural Analyses and Tests of Portable Mast, Bharat B. Joshi and Chandrahas S. Gurujee, ST2: Feb 79:437:14399
Velocity Measurement of Free-Fall SPT Hammer, William D. Kovacs, GT1:Jan 79:1:14313

Drilling Fluids
An Environmental Study to Assess The Effect of Drilling Fluids on Water Quality Parameters During High Rate, High Volume Discharge to the Ocean., R. C. Ayers, Jr., T. C. Sauer, Jr., D. O. Stuebner and R. P. Meek, CZ80:Nov 80:1730
Water Quality and Wildland Resource Management, Alan F. Galbraith, IRKB:July 80:298

Drip Irrigation
Drip Irrigation Design on Nonuniform Slopes, I-Pai Wu and Harris M. Gitlin, IR3:Sept 79:289:14829

Driver Behavior
The 55-mph Speed Limit: A Review, John G. Kunna, TE3:May 80:299:15404

Driver Behavior Research
Markings and Delination in Safety Construction, Gerald P. Balcar, HW80:Mar 80:135

Driver Licenses
The Vehicle Operator in the Safety Equation, Elmer Brown, HW80:Mar 80:29

Driver Licensing
Safety Challenge for the Future, Howard L. Anderson, HW80:Mar 80:264

Driver Records
The Vehicle Operator in the Safety Equation, Elmer Brown, HW80:Mar 80:29

Driver Response Time
Limited Sight Distance Effect on Speed, Abishai Polus, Shmuel Borovsky and Moshe Livneh, TE5: Sept 79:549:14851

Driver Tests
Safety Challenge for the Future, Howard L. Anderson, HW80:Mar 80:264

Drops (Liquids)
Microdroplets and Transport of Moisture from Ocean, Sung C. Ling, Timothy W. Kao and Alice I. Saad, EM6:Dec 80:1327:15923

Droughts
Air Chambers for Irrigation Systems, George E. Conant and Dorsey E. Jaspar, TE2:Mar 79:141: 14451
Augmentation of Hydrologic Records Using Tree Rings, Charles W. Stockton and William R. Boggess, EFHYF:Mar 79:239
BPA Hydrologic Forecasting Considerations and Action During the 1976-77 Drought, William R. Gordon, C. H. Watkins and R. C. Lamb, EFHYF: Mar 79:274
The California Drought—Its Effect on Runoff Forecasting For Power Generation, Gary J. Freeman, EFHYF:Mar 79:266
Characteristics of Low Flows, Henry C. Riggs, HY5: May 80:717:15400
Coal Mine Reclamation with Native Plants, Lee E. Eddleman, IRKB:July 80:80
Hydrologic Uncertainty and Project Benefits, Billy E. Martin and R. W. Julian, EFHYF:Mar 79:84
Myths and Uses of Hydrometeorology in Forecasting, Gene E. Willeke, EFHYF:Mar 79:117
Planning For User Oriented Hydrologic Forecasts, L. Douglas James, EFHYF:Mar 79:101
Session II—Economic Aspects of Hydrologic Forecasting, L. Douglas James, EFHYF:Mar 79:417
Session V—Power Forecasting, Catalino B. Cecilio, EFHYF:Mar 79:424
Statistical Analysis of Hydrologic Critical Droughts, Zekai Sen, HY1:Jan 80:99:15134
Water Supply Forecasting in California - 1976-78, Charles H. Howard, EFHYF:Mar 79:285

Drydocks
New Graving Dry Dock at Tampa, Florida, Robert I. Young, WW1:Feb 80:19:15184
Pile Field Support Prefabricated Plants Floated into Place, Elmer Isaak and Sidney Johnson, CE:Jan 80: 61

Duality Theory
Uniqueness of Solution in Limit Analysis of Structures, A. Franchi and M. Z. Cohn, EM5:Oct 78:1229:14091

Ductility
An Application of Eccentric Bracing in a Tall Building, Andrew T. Merovich, Joseph P. Nicoletti and Earl Hartle, Preprint No.80-592, Oct 80, 14pp.
Automated Design of Multistory Frame Structures, Stan W. Zagajeski and M. D. Wunder, CP80:June 80:203
Impactive Effects of Tornado Missiles and Aircraft, Anil K. Kar, ST11:Nov 79:2243:14968
Seismic Behavior of Structural Subassemblages, Egor P. Popov, ST7:July 80:1451:15519
Seismic Design Criteria for Underground Pipelines, Leon Ru-Liang Wang and Raymond Chong-Yu Fung, TE6:Nov 80:747:15848
Structural Response of R/C Slabs to Tornado Missiles, Peter M. McMahon, Subir K. Sen, Bernard L. Meyers and Kenneth P. Buchert, ST3: Mar 79:547:14443

Dumped Fills
Remedial Actions for Open Dumps, William H. Hassett and Earl T. Conrad, Preprint No.80-575, Oct 80, 11pp.

Dunes
Delineation and Implementation of a Dune Management District, Paul A. Gares, Karl F. Nordstrom and Norbert P. Psuty, CZ80:Nov 80: 1269
Dune Erosion and Recovery on a Northern Barrier, John W. Armon, CZ80:Nov 80:1233
Gravel Barrier Genesis and Management: A Contrast, R. W.G. Carter and J. D. Orford, CZ80: Nov 80:1304
Human Influence on the Sediment Budget of a Barrier Island, Craig H. Everts, CZ80:Nov 80:863
Managing Coastal Dunes in South Australia, Peter W. Cullen and Eric C.F. Bird, CZ80:Nov 80:1252
Offshore Pipeline Routing: Minimizing Environmental Effects, Ann W. Gowen and Michael J. Goetz, CZ80:Nov 80:667
Predicting Sand Deposition at Porous Fences, Christopher J. Phillips and Brian B. Willetts, WW1: Feb 79:15:14379
South Padre Island Coastal Zone Management Study, W. G. Roeseler, CZ80:Nov 80:1645
Steepness of Sedimentary Dunes, Mehmet Selim Yalin and Emin Karahan, HY4:Apr 79:381:14502
The Use of Synthetic Fabrics in Coastal Dune Stabilization, Donald K. Stauble, CZ80:Nov 80: 2190

Dune Sands
Delineation and Implementation of a Dune Management District, Paul A. Gares, Karl F. Nordstrom and Norbert P. Psuty, CZ80:Nov 80: 1269
Managing Coastal Dunes in South Australia, Peter W. Cullen and Eric C.F. Bird, CZ80:Nov 80:1252

Dye Releases
Dye-Vector Flow Visualization—Cooling Water Model, Volker W. Harms and Robert L. Wiegel, WW3:Aug 79:293:14767
Hydraulic Analysis of Model Treatment Units, Frederick L. Hart and Santosh K. Gupta, EE4:Aug 78:785:13955

Dyes
Estuarine Circulation from Dye-Buoy Photogrammetry, John C. Munday, Jr., Christopher S. Welch and Hayden H. Gordon, PO80:May 80: 417

Dynamic Bearing Capacity (Piles)
Bearing Capacity of Steel Core Piles, Hakan Bredenberg and Bengt B. Broms, GTDF:80:48

Dynamic Characteristics
Analysis of Earth Dam Response to Earthquakes, Ahmed M. Abdel-Ghaffar and Ronald F. Scott, GT12:Dec 79:1379:15033
Damping Of A Floor Sample, Johann H. Rainer and Gerald Pernica, EM81:Jan 81:859
Dynamic Of Low-Profile Ship Loading Container Cranes, Dr. Robert T. Ratay and Tibor Szegezdy, EM81:Jan 81:760

Dynamic Loads
Design of Fan Foundations, Donald B. Walters and Jeffrey B. Kirby, Preprint No.80-625, Oct 80, 14pp.
Dynamic Compaction of Granular Soils, Gerald A. Leonards, William A. Cutter and Robert D. Holtz, GT1:Jan 80:35:15144
Dynamic Loading of Highway Bridges, Radhey K. Gupta, EM2:Apr 80:377:15359
Dynamic Of Low-Profile Ship Loading Container Cranes, Dr. Robert T. Ratay and Tibor Szegezdy, EM81:Jan 81:760
Dynamic Response of Piles in Offshore Platforms, Robert G. Bea, GTA80:Oct 80:80
Dynamics of Near-Optimal Spans with Moving Loads, James F. Wilson and Serghios T. Barbas, Preprint No.80-654, Oct 80, 14pp.
Interactive Optimal Design of Dynamically Loaded Structures, M. A. Bhatti, K. S. Pister and E. Polak, Preprint No.80-635, Oct 80, 17pp.
Mathematical Modelling of Indeterminate Trusses, Vernon Charles Matzen and Joseph Earlton Hardee, EM81:Jan 81:687
Seismically Induced Sliding of Massive Structures, Eduardo Kausel, Albert Stanley Lucks, Lewis Edgers, William F. Swiger and John T. Christian, GT12:Dec 79:1471:15065
Vehicle Braking on Highway Bridges, Radhey K. Gupta and Rupert W. Traill-Nash, EM4:Aug 80: 641:15615
Wave Force Analysis: An Alternate Procedure, Yuan Jen, TN: WW1:Feb 80:117:15166

Dynamic Models
Continuous Dynamic Models for Traffic Indices, Neil W. Polhemus, TE6:Nov 79:639:14965
Tropical Storm Surge Forecasting in the National Weather Service, Chester P. Jelesnianski, EFHYF: Mar 79:65

Dynamic Pile Driving Formulas
Capacities of Steel H Piles Supported in Shale, Larry G. O'Dell and Alan N. Stilley, GTDF:80:288

Dynamic Pressure
Earthquake-Induced Lateral Soil Pressures on Structures, Hagop N. Nazarian and Asadour H. Hadjian, GT9:Sept 79:1049:14805
Earthquake Sloshing in Annular and Cylindrical Tanks, Mohammad Aslam, William G. Godden and D. Theodore Scalise, EM3:June 79:371:14643
Response to Dynamic Surface Pressure Distributions, A. M. Wijesinghe and Herbert B. Kingsbury, GT1: Jan 80:1:15114
Zero-Extension Line Theory of Dynamic Passive Pressure, Arsalan Ghahramani and Samuel P. Clemence, GT6:June 80:631:15489

Dynamic Programming
Construction Planning for Linear Projects, Shlomo Selinger, CO2:June 80:195:15504
Economical Pipe Sizing for Irrigation Systems, Leo A. Kinney, Jr. and Michael R. Moncrief, IRKA: July 80:445
Elevator System Configuration Optimization, Yosef Sheffi, TE2:Mar 79:127:14448
Least-Cost Design of Urban-Drainage Networks, Syver Froise and Stephen J. Burges, WR1:Nov 78: 75:14159
Mexican Pacific Coast Airport System, Rodolofo Felix Valdes, Francisco J. Jauffred and Jesus Acosta Flores, MGC:July 80:378
Optimizing Cooling Policy for System Power Plant, Leighton Lum and Larry W. Mays, EY1:Jan 79: 137:14334
A Problem Identification and Evaluation System, David B. Brown, HW80:Mar 80:61
Tidal Energy Integration Using Pumped Storage, Robert Anthony Gibson and Eric Montgomery Wilson, EY1:Jan 79:71:14291

Dynamic Properties
Dynamic Properties of Two Marine Clays, Demetrious C. Koutsoftas and Joseph A. Fischer, GT6:June 80:645:15499
Dynamic Shakedown in Elastic-Plastic Bodies, Giulio Ceradini, EM3:June 80:481:15471
Low Velocity Projectile Penetration of Clay, Umesh Dayal, John H. Allen and Dronnadula V. Reddy, GT8:Aug 80:919:15657
Static and Dynamic Properties of Sand-Cement, Jean-Michel Dupas and Alain Pecker, GT3:Mar 79: 419:14425

Dynamic Response
Active Tendon Control of Structures, Jann-Nan Yang and Fanis Giannopoulos, EM3:June 78:551:13836
Aerodynamic Response of Long H-Sections, Francis J. Maher and Larry E. Wittig, ST1:Jan 80:183: 15105
Anti-Earthquake Application Of Pulse Generators, Sami F. Masri, George A. Bekey, Frederick B. Safford and Tejav J. dehghanyar, EM81:Jan 81:87
Approximate Modal Analysis of Bilinear MDF Systems, Visit Tansirikongkol and David A. Pecknold, EM2:Apr 80:361:15329
Calculated Examples Of Long-Span Bridge RESPONSE TO WIND, Lawrence Rubin and Robert H. Scanlan, EM81:Jan 81:307
Calibration of Numerical Model for Harbor Waves, Herman Bomze, HYCO:Aug 80:441
Column Response to Horizontal-Vertical Earthquakes, Y. K. Lin and Teng-Yuan Shih, EM6: Dec 80:1099:15896
Computer Graphics in Education: A Case Study, Michael J. O'Rourke, Robert U. Johnson and Larry J. Feeser, CP80:June 80:450
Design Seismic Accelerations in Buildings, Robert Smilowitz and Nathan M. Newmark, ST12:Dec 79: 2487:15066
Deterministic Torsional Building Response to Winds, Carlos P. Patrickson and Peretz P. Friedmann, ST12:Dec 79:2621:15084
Development And Use Of Force Pulse Train Generators, Frederick B. Safford and Sami F. Masri, EM81:Jan 81:72
Dynamic Analysis of Equipment-Structure Systems, Jerome L. Sackman and Armen Der Kiureghian, EM81:Jan 81:731
Dynamic Analysis of Equipment-Structure Systems, Jerome L. Sackman and Armen Der Kiureghian, EM81:Jan 81:731
Dynamic Interaction On Liquid Storage Tanks And Foundation Soil, Medhat A. Haroun and George W. Housner, EM81:Jan 81:346
Dynamic Longitudinal Response Of An Earth Dam, Ahmed M. Abdel-Ghaffar, EM81:Jan 81:174
Dynamic Response (Finite Element Approach) of Cable Reinforced Inflatables, O. G. Vinogradov and David J. Malcolm, Preprint No.80-101, Apr 80, 15pp.
Dynamic Response Of Floating Bridge To Wave Forces, Charles H. Beauchamp and Dominique N. Brocard, EM81:Jan 81:46
Dynamic Response Of Inflatable Cable-Reinforced Structures Under WIND LOADING, O. G. Vinogradov, David J. Malcolm and Peter G. Glockner, EM81:Jan 81:338
Dynamic Response of Piles in Offshore Platforms, Robert G. Bea, GTA80:Oct 80:80
Dynamic Response of the hood Canal Floating Bridge, B. J. Hartz, EM81:Jan 81:16
Dynamic Responses of Floating Structures, Jun G. Chao, WW2:May 78:105:13769
Dynamic Response to Nonstationary Nonwhite Excitation, Dario A. Gasparini and Amitabha DebChaudhury, EM6:Dec 80:1233:15900
Dynamic Response With Foundation Interaction, Timothy O. Weaver, Furman W. Barton and Richard T. Eppink, EM81:Jan 81:252
Dynamic Shakedown in Elastic-Plastic Bodies, Giulio Ceradini, EM3:June 80:481:15471
Dynamic Stiffness and Damping of Pile Groups in Inhomogeneous Soil, Toyoaki Nogami, GTA80:Oct 80:31
Dynamic Torsional Response Of Symmetric Structures, Pradip K. Syamal and O. A. Pekau, EM81:Jan 81:902
Earthquake Response of Buried Insulated Pipes, Aly Hindy and Milos Novak, EM6:Dec 80:1135:15886
Earthquake Rocking Response of Rigid Bodies, Mohammad Aslam, William G. Godden and D. Theodore Scalise, ST2:Feb 80:377:15182
Earthquake Sloshing in Annular and Cylindrical Tanks, Mohammad Aslam, William G. Godden and D. Theodore Scalise, EM3:June 79:371:14643
Effects of Piles Driving Systems on Driveability and Capacity of Concrete Piles, Christopher David Thompson and David Elliot Thompson, GTDF:80: 420
The Effects of Static Loads on Dynamic Response, Som P. Virk, CP80:June 80:132
Elastic-Plastic Seismic Response of Chimney, Le-Chung Shiau and Henry T.Y. Yang, ST4:Apr 80: 791:15325
Engineering Approximations for the Dynamic Behaviour of Deeply Embedded Foundations, A. P. S. Selvadurai and M. Rahman, EM81:Jan 81:361
Equivalent Linear SDF Response to Earthquakes, Visit Tansirikongkol and David A. Pecknold, ST12: Dec 79:2529:15073
Estimating Earthquake Response of Simple Hysteretic Structures, Wilfred D. Iwan and Nathan C. Gates, EM3:June 79:391:14644
Experimental Seismic Study of Cylindrical Tanks, Ray W. Clough, Akira Niwa and Douglas P. Clough, ST12:Dec 79:2565:15062
First-Passage Approximations for Simple Oscillators, Loren D. Lutes, Yu-Tang Tom Chen and Shen-Ho Tzuang, EM6:Dec 80:1111:15894
Foundation Response to Soil Transmitted Loads, Satya Narayan Varadhi and Surendra K. Saxena, GT10:Oct 80:1121:15763
Identification of Wind Force Spectrum, Stepan S. Simonian and Gary C. Hart, EM81:Jan 81:672
Improved Power System Seismic Resistance, Anshel J. Schiff, TC2:Dec 79:337:15079
Interaction Effects Of Reactor System And Its Supports, C.-W. Lin, D. T. Tang and F. Loceff, EM81:Jan 81:609
Interactive Graphics Dynamic Analysis Of Frames, M. Gattass, J. G. Orbison, C. I. Pesquera, M. A. Schulman, W. McGuire and John F. Abel, EM81: Jan 81:502
Masing Model for Earthquake Response, Clifford O. Hays, Jr., Preprint No.80-547, Oct 80, 13pp.
Measured Response of Pile Supported Machines, Gerald M. Diaz, GTDF:80:75
Measurements of On-Site Dynamic Parameters for Seismic Evaluations, Roger M. Zimmerman and Kenneth R. White, EM81:Jan 81:267
Motion of Suspension Bridges in Turbulent Winds, Y. K. Lin, EM6:Dec 79:921:15044
Observations of Strong Motion from Earthquakes, Ralph B. Matthiesen, Preprint No.80-092, Apr 80, 22pp.
Pipeline Response to Random Ground Motion, Aly Hindy and Milos Novak, EM2:Apr 80:339:15308
Post-Yield Flexural Properties of Tubular Members, Stavros A. Anagnostopoulos, ST9:Sept 79:1757: 14821
Probabilistic Site-Dependent Response Spectra, Anne S. Kiremidjian and Haresh C. Shah, ST1:Jan 80:69: 15110
Protective Structure Response to Vehicle Impact, John J. Labra, ST6:June 79:991:14622
A Rectilinear Force Generator For Full Scale Vibration Testing, J. I. Craig and F. D. Lewis, EM81:Jan 81:102
Resistance Of Hardened Box-Type Structures, Theodor Krauthammer, EM81:Jan 81:713
Response of Beams on Elastic Foundations to Dynamic Loading, Bharat Bhushan Prasad and N. S.V. Kameshwar Roa, TN: EM1:Feb 80:179:15164
Response of Coupled Walls to Earthquake Loading, John M. Lybas, Preprint No.80-541, Oct 80, 11pp.
Response of Locomotives on Randomly Imperfect Tracks, Mahendra P. Singh, Preprint No.80-633, Oct 80, 14pp.

Revised Procedure for Estimating Along-Wind Response, Emil Simiu, ST1:Jan 80:1:15111
Seismic Design of Underground Lifelines, Paul Weidlinger and Ivan Nelson, TC1:Aug 80:185:15658
Seismic Response by SRSS for Nonproportional Damping, Mahendra P. Singh, EM6:Dec 80:1405:15948
Seismic Response of Cohesive Marine Soils, Chan-Feng Tsai, Ignatius Lam and Geoffrey R. Martin, GT9:Sept 80:997:15708
Seismic Response of Partially Prestressed Concrete, Kevin J. Thompson and Robert Park, ST8:Aug 80:1755:15598
Seismic Support: Speedy Determination of Frequency, Anil K. Kar, ST7:July 79:1289:14672
Simplified Investigation of Floors under Foot Traffic, Rachel Becker, ST11:Nov 80:2221:15804
Simplified Procedure for Effective Stress Anaysis of Ground Response, Philippe P. Martin and H. Bolton Seed, GT6:June 79:739:14659
Simplified Procedure for Evaluating Embankment Response, Faiz I. Makdisi and H. Bolton Seed, GT12:Dec 79:1427:15055
Size Effect in Damping Caused by Water Submersion, Richard G. Dong, ST5:May 79:847:14581
Stress Measurements for Offshore Piles Driving, Wendell R. Vines and Jack J. Amar, GTDF:80:475
Structural Control Using Active Tuned Mass Dampers, James C.H. Chang and Tsu T. Soong, EM6:Dec 80:1091:15882
Structural Response of Traveling Seismic Waves, Stuart D. Werner, Li Chi Lee, Hung Leung Wong and Mihailo D. Trifunac, ST12:Dec 79:2547:15059
Structural Response to Stationary Excitation, Armen Der Kiureghian, EM6:Dec 80:1195:15898
Tall Building Response to Earthquake Excitations, Jann-Nan Yang, Y. K. Lin and S. Sae-Ung, EM4:Aug 80:801:15642
Time Variations of Structural Properties During Strong Ground Shaking, Firdaus E. Udwadia and Navin Jerath, EM1:Feb 80:111:15200
Transient Analysis of Light Equipment in Structures, Jerome L. Sackman and J. M. Kelly, EM81:Jan 81:723
Transient Response of Long Structural Members, David Hsu and Walter Pilkey, TN: EM4:Aug 80:836:15589
Traveling Wave Analysis Of A Large Foundation, Philip J. Richter and Elwood A. Smietana, EM81:Jan 81:401
Vehicle Braking on Highway Bridges, Radhey K. Gupta and Rupert W. Traill-Nash, EM4:Aug 80:641:15615
Vibration Of A Steel Truss Highway Bridge, Celal N. Kostem, Robert T. Reese and T. Robert Kealey, EM81:Jan 81:61
Vibration Test Of Structures At Varied Amplitudes, Alan P. Jeary and Brian R. Ellis, EM81:Jan 81:281
Wind Loading and Response of Cooling Towers, Norman J. Sollenberger, Robert H. Scanlan and David P. Billington, ST3:Mar 80:601:15281
3-D Nonlinear Dynamic Analysis of Stacked Blocks, Kiyoshi Muto, Hiromoto Takase, Kiyomi Horikoshi and Hiromichi Ueno, EM81:Jan 81:917

Dynamics

Cyclic Movements of Offshore Structures on Clay, Francis Dumas and Kenneth L. Lee, GT8:Aug 80:877:15655
Cyclic Stress-Strain History and Shear Characteristics of Clay, Tamotsu Matsui, Hideo Ohara and Tomio Ito, GT10:Oct 80:1101:15776
Dynamic Analysis of Cable-Hung Ruck-A-Chucky Bridge, Zung-An Lu, ST10:Oct 79:2009:14918
Dynamic Characteristics of Coupled Shear Walls, Amiya K. Basu, Ashok K. Nagpal, Ravinder S. Bajaj and Ashok K. Guliani, ST8:Aug 79:1637:14783
Dynamic Reduction of Structural Models, Charles A. Miller, ST10:Oct 80:2097:15775
Dynamic Response of Pile-Supported Frame Foundations, Fakhry Aboul-Ella and Milos Novak, EM6:Dec 80:1215:15895
Dynamics and Optimal Design of AGT System, Levon Minnetyan, Richard B. Nelson and D. Lewis Mingori, ST4:Apr 80:897:15365
Dynamics of Vibratory-Roller Compaction, Tai-Sung Yoo and Ernest T. Selig, GT10:Oct 79:1211:14907
Elastic-Plastic Seismic Response of Chimney, Le-Chung Shiau and Henry T.Y. Yang, ST4:Apr 80:791:15325
Frequency Analysis of Flat Cable Nets: A Simple Model, Barrington deV. Batchelor and Murari L. Gambhir, EM6:Dec 80:1249:15903
General Approach to Active Structural Control, Mohamed Abdel-Rohman and Horst H. Leipholz, EM6:Dec 79:1007:15047
Modeling Hourly Water Temperature Dynamics, Russ T. Brown, HYCO:Aug 80:25
Parameter Effects on Dynamic Properties of Frozen Soils, Ted S. Vinson, GT10:Oct 78:1289:14109
Recent Geologic History of a Barrier Island, Richard D. Hobson, Robert K. Schwartz and Frank R. Musialowski, CZ80:Nov 80:850
Slack-Elasto-Plastic Dynamics of Cable Systems, David Chia-Chiun Ma, John W. Leonard and Kuang-Han Chu, EM2:Apr 79:207:14508
Structural Response of Traveling Seismic Waves, Stuart D. Werner, Li Chi Lee, Hung Leung Wong and Mihailo D. Trifunac, ST12:Dec 79:2547:15059
Vertical Vibration of Machine Foundations, George C. Gazetas and Jose M. Roesset, GT12:Dec 79:1435:15050
Vertical Vibration of Piles, Roger L. Kuhlemeyer, GT2:Feb 79:273:14393

Dynamic Stability

Active Control of Flexible Structures, Mohamed Abdel-Rohman and Horst H. Leipholz, ST8:Aug 78:1251:13964
Dynamic Stability of Statically Pre-Loaded Systems, G. J. Simitses and Lazopoulos, EM81:Jan 81:477
Stiffness and Damping Coefficients of Foundations, Jose M. Roesset, GTA80:Oct 80:1

Dynamic Stress Measurement

Dynamic Stresses From Experimental and Modal Analysis, M. A. Tucchio, John F. Carney, III and Howard I. Epstein, EM81:Jan 81:658
Wind Effects on Cooling-Tower Shells, Hans-Jurgen Niemann, ST3:Mar 80:643:15251

Dynamic Structural Analysis

Approximate Modal Analysis of Bilinear MDF Systems, Visit Tansirikongkol and David A. Pecknold, EM2:Apr 80:361:15329
Automated Design of Multistory Frame Structures, Stan W. Zagajeski and M. D. Wunder, CP80:June 80:203
Automatic Active Control of Structures, Mohamed Abdel-Rohman and Horst H. Leipholz, ST3:Mar 80:663:15260
Bridge Pier Protective Systems, R. T. Mancill, Jr. and K. N. Derucher, PO80:May 80:778
Cooling Towers Using Measured Wind Data, Prodyot K. Basu and Phillip L. Gould, ST3:Mar 80:579:15259
Dynamic Behavior of Floating Storage Vessel, Robert A. Naftzger and Subrata K. Chakrabarti, WW2:May 80:157:15401
Dynamic Response With Foundation Interaction, Timothy O. Weaver, Furman W. Barton and Richard T. Eppink, EM81:Jan 81:252
Dynamic Seismic Analysis: Economic Considerations, C. K. McDonald, ST7:July 80:1531:15571
Dynamic Stiffness of Group of Battered Piles, John P. Wolf, TN: GT2:Feb 80:198:15193
Earthquake Response of Nuclear Power Facilities, James J. Johnson and Robert P. Kennedy, EY1:Jan 79:15:14296
Evaluation Of Soil-Structure Interaction Methods, Anand K. Singh, Tzu-I Hsu, Tara P. Khatua and Shih-Lung Chu, EM81:Jan 81:580

Forced Vibrations of Cable Networks, Louis F. Geschwindner, Jr. and Harry H. West, ST9:Sept 80: 1885:15681
Free Torsional Vibrations of Suspension Bridges, Ahmed M. Abdel-Ghaffar, ST4:Apr 79:767:14535
Gravity Load and Vertical Ground Motion Effects on Earthquake Response of Simple Yielding Systems, Oscar A. Lopez and Anil K. Chopra, EM4:Aug 79: 525:14735
Issues Related To Soil-Structure Dynamic Analysis, Asadour H. Hadjian, EM81:Jan 81:600
Lifeline Engineering Approach to Seismic Qualification, Thomas L. Anderson and Douglas J. Nyman, TC1:Apr 79:149:14531
Marine Cable Structures, Alain H. Peyrot, ST12:Dec 80:2391:15901
Parametric Investigations of Vibrating Cable Networks, Louis F. Geschwindner, Jr. and Harry H. West, ST3:Mar 79:465:14436
Probability of Response to Evolutionary Process, Polihronis-Thomas Demetriou Spanos and Loren D. Lutes, EM2:Apr 80:213:15313
Seismic Design Input for Secondary Systems, Mahendra P. Singh, ST2:Feb 80:505:15207
Seismic-Resistant Design Of Industrail Storage Racks, C. K. Chen, Roger E. Scholl and John A. Blume, EM81:Jan 81:745
Seismic Response of Uplifting Building Frame, Arthur A. Huckelbridge, Jr. and Ray W. Clough, ST8:Aug 78:1211:13974
Static and Dynamic Laterally Loaded Floating Piles, Roger L. Kuhlemeyer, GT2:Feb 79:289:14394
Strong and Tough Concrete Columns for Seismic Forces, Lawrence Selna, Ignacio Martin, Robert Park and Loring Wyllie, ST8:Aug 80:1717:15596
Suspension Bridge Vibrations: Computed and Measured, Peter Graham Buckland, Roy Hooley, Brian D. Morgenstern, Johann H. Rainer and Aegide M. van Selst, ST5:May 79:859:14557
System Identification In Earthquake Engineering, James T. P. Yao and Anshel J. Schiff, EM81:Jan 81:657
Vertical Vibration Analysis of Suspension Bridges, Ahmed M. Abdel-Ghaffar, ST10:Oct 80:2053:15759
Wave Force Analysis: An Alternate Procedure, Yuan Jen, TN: WW1:Feb 80:117:15166
Wind Loading and Response of Cooling Towers, Norman J. Sollenberger, Robert H. Scanlan and David P. Billington, ST3:Mar 80:601:15281

Dynamic Tests

Ballistic Pendulums and Dynamic Testing of Clays, Farrokh N. Screwvala and Raj P. Khera, GT8:Aug 79:927:14772
Bearing Capacity of Steel Core Piles, Hakan Bredenberg and Bengt B. Broms, GTDF:80:48
Capacities of Steel H Piles Supported in Shale, Larry G. O'Dell and Alan N. Stilley, GTDF:80:288
Damping Of A Floor Sample, Johann H. Rainer and Gerald Pernica, EM81:Jan 81:859
Experimental Dynamics of Highway Bridges, Bruce M. Douglas, Charles D. Drown and Monty L. Gordon, EM81:Jan 81:698
Interaction Effects Of Reactor System And Its Supports, C.-W. Lin, D. T. Tang and F. Loceff, EM81:Jan 81:609
Strength and Deformability of Highly Fractured Rock, Jerome M. Raphael and Richard E. Goodman, GT11:Nov 79:1285:14988

Dynamic Viscosity

Parameter Estimation From Full-Scale Cyclic Testing, Jean-Guy Beliveau and Michael Favillier, EM81:Jan 81:775

Earth Dam Performance

Dynamic Longitudinal Response Of An Earth Dam, Ahmed M. Abdel-Ghaffar, EM81:Jan 81:174

Earthfill

Arch Culvert Footing Movements, Raymond E. Davis, Henry D. Nix and Alfred E. Bacher, ST4: Apr 79:729:14491
Arch Culvert Research—Phase 3, Raymond E. Davis, Henry D. Nix and Alfred E. Bacher, ST4:Apr 79: 739:14492
Densification of Loose Deposits by Pounding, Robert G. Lukas, GT4:Apr 80:435:15376
Tension Resistant Inclusions in Soils, Kamal Z. Andrawes, Alan McGown, Mohsen M. Mashhour and Ragui F. Wilson-Fahmy, GT12:Dec 80:1313: 15928

Earth Fills

The Regulation of Mine Waste Disposal, Bruce C. Vandre, IRKB:July 80:898

Earth Movements

Seismic Site Response of Nonlinear Soil Media, Peter W. Taylor and Thomas J. Larkin, GT3:Mar 78:369: 13597

Earthmoving

Economic and Seismic Hazard Mitigation for a Gas and Electric Utility, Ricahrd V. Bettinger, C080:80: 98

Earth Pressure

Applications of Slurry Walls in Civil Engineering, Safdar A. Gill, CO2:June 80:155:15479
Arch Culvert Footing Movements, Raymond E. Davis, Henry D. Nix and Alfred E. Bacher, ST4: Apr 79:729:14491
Arch Culvert Research—Phase 3, Raymond E. Davis, Henry D. Nix and Alfred E. Bacher, ST4:Apr 79: 739:14492
Earthquake-Induced Lateral Soil Pressures on Structures, Hagop N. Nazarian and Asadour H. Hadjian, GT9:Sept 79:1049:14805
In Situ Tests by Flat Dilatometer, Silvano Marchetti, GT3:Mar 80:299:15290
New Aspects of Soil Fracturing in Clay, Karl Rainer Massarsch, GT8:Aug 78:1109:13961
Principal Stress Rotation: A Missing Parameter, J. Robin F. Arthur, Ken S. Chua, Treve Dunstan and Juan I. Rodriguez del C., GT4:Apr 80:419:15375
Retainining Wall Performance during Backfilling, Terrence S. Ingold, GT5:May 79:613:14580
Seismic Responses of Flexible Piles, Takaaki Kagawa and Leland M. Kraft, Jr., GT8:Aug 80:899:15656
Simplified Passive Earth Pressure Analysis, Prabir K. Basudhar and Madhira R. Madhav, TN: GT4:Apr 80:470:15304
Soil Restraint Against Horizontal Motion of Pipes, Jean M.E. Audibert and Kenneth J. Nyman, GT10: Oct 77:1119:13303
Zero-Extension Line Theory of Dynamic Passive Pressure, Arsalan Ghahramani and Samuel P. Clemence, GT6:June 80:631:15489

Earthquake Damage

Consideration of Seismic Hazards in Lifeline Design, A. H-S. Ang, C080:80:215
Damage Assessment of the Imperial Co. Services Building, Gerard C. Pardoen and Gary C. Hart, Preprint No.80-680, Oct 80, 12pp.
Earthquake And Ambient Response Of EL Centro County Services Building, Gerard C. Pardoen, Gary C. Hart and Barrett T. Bunce, EM81:Jan 81:164
Earthquake Rocking Response of Rigid Bodies, Mohammad Aslam, William G. Godden and D. Theodore Scalise, ST2:Feb 80:377:15182
Economic and Seismic Hazard Mitigation for a Gas and Electric Utility, Ricahrd V. Bettinger, C080:80: 98
Economic of Hazard Mitigation for Transportation Structures, John J. Kozak, C080:80:85
A Federal Perspective on Lifeline Seismic Safety, Richard J. Green, C080:80:1
Gas Pipeline Seismic Risk Abatement, John D. McNorgan, Preprint No.80-104, Apr 80, 4pp.
Lifeline Economics and Hazard Mitigation, Le Val Lund, C080:80:78
Lifelines, Seismic Hazards and Public Policy, Charles Conrad Thiel, Jr., C080:80:6
Liquefaction Of Soil During Earthquakes, S. Nemat-Nasser, EM81:Jan 81:376

Policies for Lifeline and Critical Facility Safety, Robert A. Olson, C080:80:180
Practical Design of Pipeline Control & Flexibility, James J. Van Houtte, C080:80:121
Quantifying Hazards Information for Lifelines, Jeanne B. Perkins, C080:80:34
Reducing Failures During Earthquakes, Henry J. Degenkolb, CE:Aug 80:56
Seismic Hazards and Public Policy as Viewed by a Local Agency, James E. McCarty, C080:80:28
Seismic Hazards: A State Government Perspective, Priscilla C. Grew, C080:80:18
Seismic Study Of Imperial County Services Building, Mehdi Saiidi, EM81:Jan 81:431
Selection of Critical Bridges for Retrofitting, Anatole Longinow, James D. Cooper and Ernest Bergmann, TC1:Apr 79:197:14542
Simulation of Water System Seismic Risk, Irving J. Oppenheim, TC2:Dec 79:327:15067
System Identification In Earthquake Engineering, James T. P. Yao and Anshel J. Schiff, EM81:Jan 81:657
Telecommunications After Earthquakes, J. W. Foss and J. D. Scobee, C080:80:134
User Losses in Earthquake-Damaged Roadway Networks, Chris Hendrickson, Irving J. Oppenheim and Krishnaswami Siddharthan, TC1:Aug 80:117:15631
Utility Lifelines and Economic Activity in the Context of Earthquakes, Adam Zachary Rose, C080:80:107

Earthquake Engineering

Consideration of Seismic Hazards in Lifeline Design, A. H-S. Ang, C080:80:215
Cyclic Response Prediction for Braced Steel Frames, Bruce F. Maison and Egor P. Popov, ST7:July 80:1401:15534
Dynamic Interaction On Liquid Storage Tanks And Foundation Soil, Medhat A. Haroun and George W. Housner, EM81:Jan 81:346
Dynamic Longitudinal Response Of An Earth Dam, Ahmed M. Abdel-Ghaffar, EM81:Jan 81:174
Earthquake Engineering for Transportation Lifelines, James H. Gates, C080:80:166
Economic and Seismic Hazard Mitigation for a Gas and Electric Utility, Ricahrd V. Bettinger, C080:80:98
A Federal Perspective on Lifeline Seismic Safety, Richard J. Green, C080:80:1
Gas and Liquid Fuel Pilpeline Seismic Design, William J. Hall and Robert P. Kennedy, C080:80:150
Inelastic Response Spectra for Aseismic Building Design, Shih-Sheng P. Lai and John M. Biggs, ST6:June 80:1295:15482
Issues Related To Soil-Structure Dynamic Analysis, Asadour H. Hadjian, EM81:Jan 81:600
Lifeline Economics and Hazard Mitigation, Le Val Lund, C080:80:78
Lifeline Seismic Risk: Decisions Under Uncertainty, Irving J. Oppenheim, C080:80:218
Nonstationary Risk Model with Geophysical Input, Jean B. Savy, Haresh C. Shah and David Boore, ST1:Jan 80:145:15115
Plasticity in Soil Mechanics and Landslides, Wai F. Chen, EM3:June 80:443:15460
Policies for Lifeline and Critical Facility Safety, Robert A. Olson, C080:80:180
Reliability in Lifeline Earthquake Engineering, Kenneth W. Campbell, Ronald T. Eguchi and C. Martin Duke, TC2:Dec 79:259:15022
Seismic Analysis of Some Steel Building Frames, Egor P. Popov and Vitelmo V. Bertero, EM1:Feb 80:75:15194
A Seismic Hazard Evaluation of California, Ronald T. Eguchi, C080:80, 66pp.
The State and Local Politics of Seismic Hazard, James D. Wright, C080:193
System Identification In Earthquake Engineering, James T. P. Yao and Anshel J. Schiff, EM81:Jan 81:657
Traveling Wave Analysis Of A Large Foundation, Philip J. Richter and Elwood A. Smietana, EM81:Jan 81:401
The Use of Computers in Earthquake Engineering, Wayne W.H. Chen and M. Chatterjee, CP80:June 80:197
Water Lifeline EQ Engineering Practiced by Ebmud, Walter F. Anton, C080:80:125
3-D Nonlinear Dynamic Analysis of Stacked Blocks, Kiyoshi Muto, Hiromoto Takase, Kiyomi Horikoshi and Hiromichi Ueno, EM81:Jan 81:917

Earthquake Loads

Deepwater Bottom Supported "Condeep" Terminal Design, Leif G. Larsen and John M. MacDonald, PO80:May 80:339
Design Seismic Accelerations in Buildings, Robert Smilowitz and Nathan M. Newmark, ST12:Dec 79:2487:15066
Dynamic Response of Piles in Offshore Platforms, Robert G. Bea, GTA80:Oct 80:80
Dynamic Seismic Analysis: Economic Considerations, C. K. McDonald, ST7:July 80:1531:15571
Earthquake and Wind Response of a Rehabilitated Multistory Building, Gary C. Hart, Preprint No.80-679, Oct 80, 10pp.
Earthquake Response of Buried Insulated Pipes, Aly Hindy and Milos Novak, EM6:Dec 80:1135:15886
Earthquake Rocking Response of Rigid Bodies, Mohammad Aslam, William G. Godden and D. Theodore Scalise, ST2:Feb 80:377:15182
Equivalent Linear SDF Response to Earthquakes, Visit Tansirikongkol and David A. Pecknold, ST12:Dec 79:2529:15073
Fragility of Electrical Power Equipment, Anshel J. Schiff and Donald E. Newsom, TC2:Dec 79:451:15091
Improved Power System Seismic Resistance, Anshel J. Schiff, TC2:Dec 79:337:15079
Observations of Strong Motion from Earthquakes, Ralph B. Matthiesen, Preprint No.80-092, Apr 80, 22pp.
Response of Coupled Walls to Earthquake Loading, John M. Lybas, Preprint No.80-541, Oct 80, 11pp.
Seismic Behavior of Structural Subassemblages, Egor P. Popov, ST7:July 80:1451:15519
Seismic Design Criteria for Underground Pipelines, Leon Ru-Liang Wang and Raymond Chong-Yu Fung, TE6:Nov 80:747:15848
Seismic Design of Underground Lifelines, Paul Weidlinger and Ivan Nelson, TC1:Aug 80:185:15658
Seismic Shear Stresses in Buried Beams, T. Selcuk Atalik, TN: ST6:June 80:1361:15451
Simplified Procedure for Evaluating Embankment Response, Faiz I. Makdisi and H. Bolton Seed, GT12:Dec 79:1427:15055
Size Effect in Damping Caused by Water Submersion, Richard G. Dong, ST5:May 79:847:14581
Strength Decay in R.C. Beams under Load Reversals, Charles F. Scribner and James K. Wight, ST4:Apr 80:861:15360
Strong and Tough Concrete Columns for Seismic Forces, Lawrence Selna, Ignacio Martin, Robert Park and Loring Wyllie, ST8:Aug 80:1717:15596
Time Variations of Structural Properties During Strong Ground Shaking, Firdaus E. Udwadia and Navin Jerath, EM1:Feb 80:111:15200

Earthquake Prediction

Consideration of Seismic Hazards in Lifeline Design, A. H-S. Ang, C080:80:215
Earthquake Prediction: A Socioeconomic View, John H. Sorensen, EI3:July 80:257:15550
Formulating Utah's Seismic Policy for Lifelines, Delbert B. Ward and Craig E. Taylor, C080:80:202
High Explosive Simulation of Earthquake-Like Motions, Cornelius J. Higgins, Roy L. Johnson, George E. Triandafilidis and David W. Steedman, EM81:Jan 81:126
Lifelines, Seismic Hazards and Public Policy, Charles Conrad Thiel, Jr., C080:80:6

Planning Initiatives for Seismic Hazard Mitigation, Dennis S. Mileti, C080:80:44
A Seismic Hazard Evaluation of California, Ronald T. Eguchi, C080:80, 66pp.
Seismic Hazards: A State Government Perspective, Priscilla C. Grew, C080:80:18
Seismic Zonation in the San Francisco Bay Region, Earl E. Brabb, C080:80:54

Earthquake Resistant Structures

Analysis of Piles in Clay Against Earthquakes, Shamsher Prakash and V. Chandrasekaran, Preprint No.80-109, Apr 80, 20pp.
Aseismic Reinforcement of Existing Building, Nicholas F. Forell and Guy J.P. Nordenson, ST9: Sept 80:1907:15700
Aseismic 00320001 B_m d 28 Design Of A 31-Story Frame-Wall Building, Mark Fintel and S. K. Ghosh, EM81:Jan 81:874
Automated Design of Multistory Frame Structures, Stan W. Zagajeski and M. D. Wunder, CP80:June 80:203
Design Seismic Accelerations in Buildings, Robert Smilowitz and Nathan M. Newmark, ST12:Dec 79: 2487:15066
Development And Use Of Force Pulse Train Generators, Frederick B. Safford and Sami F. Masri, EM81:Jan 81:72
Earthquake Behavior Of One-Story Masonry Houses, Ray W. Clough, P. Gulkan and R. L. Mayes, EM81:Jan 81:517
Earthquake Engineering for Transportation Lifelines, James H. Gates, C080:80:166
Earthquake Resistant Design of Concrete Gravity Dams, Anil K. Chopra, ST6:June 78:953:13823
Earthquake Response of Offshore Platforms, Robert G. Bea, Jean M.E. Audibert and M. Radwan Akky, ST2:Feb 79:377:14386
Earthquake Simulation Using Contained Explosions, John R. Bruce and Herbert E. Lindberg, EM81:Jan 81:111
Eccentrically Braced Steel Frames for Earthquakes, Charles W. Roeder and Egor P. Popov, ST3:Mar 78:391:13619
Economic of Hazard Mitigation for Transportation Structures, John J. Kozak, C080:80:85
Failures: How Engineers Learn — Or Do They?, Henry J. Degenkolb, Preprint No.80-017, Apr 80, 18pp.
Friction Devices To Control Seismic Response, Cedric Marsh and Avtar S. Pall, EM81:Jan 81:809
Gas Pipeline Seismic Risk Abatement, John D. McNorgan, Preprint No.80-104, Apr 80, 4pp.
Gravity Load and Vertical Ground Motion Effects on Earthquake Response of Simple Yielding Systems, Oscar A. Lopez and Anil K. Chopra, EM4:Aug 79: 525:14735
Improved Power System Seismic Resistance, Anshel J. Schiff, TC2:Dec 79:337:15079
Increase Seismic Resistance Of Highway Bridges Using Improved Bearing Design concepts, Roy A. Imbsen and Richard V. Nutt, EM81:Jan 81:416
Lifeline Seismic Risk: Decisions Under Uncertainty, Irving J. Oppenheim, C080:80:218
Low Cost Seismic Strengthening of a Power System, Otto W. Steinhardt, Preprint No.80-076, Apr 80, 15pp.
Reducing Failures During Earthquakes, Henry J. Degenkolb, CE:Aug 80:56
Reliability of Seismic Resistance Predictions, Rudolf F. Drenick and Chung-Bang Yun, ST10:Oct 79: 1879:14876
Seismic Design of Low-Rise Steel Buildings, C. James Montgomery and William J. Hall, ST10:Oct 79:1917:14919
Seismic Design of Seattle Waterfront Facilities, Frank W. Pita, Bradley P. Erickson and Arthur J. O'Brien, Preprint No.80-136, Apr 80, 22pp.
Seismic Hazards and Public Policy as Viewed by a Local Agency, James E. McCarty, C080:80:28
Seismic Resistance of Existing Buildings, Robert V. Whitman, Frank J. Heger, Rene W. Luft and Frederick Krimgold, ST7:July 80:1573:15564
Seismic-Resistant Design Of Industrail Storage Racks, C. K. Chen, Roger E. Scholl and John A. Blume, EM81:Jan 81:745
Selection of Critical Bridges for Retrofitting, Anatole Longinow, James D. Cooper and Ernest Bergmann, TC1:Apr 79:197:14542
Telecommunications After Earthquakes, J. W. Foss and J. D. Scobee, C080:80:134
The Use of Computers in Earthquake Engineering, Wayne W.H. Chen and M. Chatterjee, CP80:June 80:197
User Losses in Earthquake-Damaged Roadway Networks, Chris Hendrickson, Irving J. Oppenheim and Krishnaswami Siddharthan, TC1:Aug 80:117: 15631
User-Oriented Programming, Christian Meyer, CP80: June 80:58

Earthquakes

Accident and Seismic Containment Reliability, Michael N. Fardis, C. Allin Cornell and John E. Meyer, ST1:Jan 79:67:14305
Analysis of Earth Dam Response to Earthquakes, Ahmed M. Abdel-Ghaffar and Ronald F. Scott, GT12:Dec 79:1379:15033
Boundary Element Analysis Of Reservoir Vibration, Jagmohan L. Humar and Youssef G. Hanna, EM81:Jan 81:461
Column Response to Horizontal-Vertical Earthquakes, Y. K. Lin and Teng-Yuan Shih, EM6: Dec 80:1099:15896
Cyclic Inelastic Buckling of Thin Tubular Columns, Egor P. Popov, Victor A. Zayas and Stephen A. Mahin, ST11:Nov 79:2261:14982
Dynamic Analysis of Cable-Hung Ruck-A-Chucky Bridge, Zung-An Lu, ST10:Oct 79:2009:14918
Dynamic Longitudinal Response Of An Earth Dam, Ahmed M. Abdel-Ghaffar, EM81:Jan 81:174
Dynamic Properties of Frozen Silt Under Cyclic Loading, Ronald L. Czajkowski and Ted S. Vinson, GT9:Sept 80:963:15702
Dynamic Response With Foundation Interaction, Timothy O. Weaver, Furman W. Barton and Richard T. Eppink, EM81:Jan 81:252
Dynamic Torsional Response Of Symmetric Structures, Pradip K. Syamal and O. A. Pekau, EM81:Jan 81:902
Earthquake and Wave Design Criteria for Offshore Platforms, Robert G. Bea, ST2:Feb 79:401:14387
Earthquake Behavior Of One-Story Masonry Houses, Ray W. Clough, P. Gulkan and R. L. Mayes, EM81:Jan 81:517
Earthquake Response of Nuclear Power Facilities, James J. Johnson and Robert P. Kennedy, EY1:Jan 79:15:14296
Earthquake Sloshing in Annular and Cylindrical Tanks, Mohammad Aslam, William G. Godden and D. Theodore Scalise, EM3:June 79:371:14643
Eccentrically Braced Steel Frames for Earthquakes, Charles W. Roeder and Egor P. Popov, ST3:Mar 78:391:13619
Economic and Seismic Hazard Mitigation for a Gas and Electric Utility, Ricahrd V. Bettinger, C080:80: 98
Economic of Hazard Mitigation for Transportation Structures, John J. Kozak, C080:80:85
Elastic-Plastic Seismic Response of Chimney, Le-Chung Shiau and Henry T.Y. Yang, ST4:Apr 80: 791:15325
Estimating Earthquake Response of Simple Hysteretic Structures, Wilfred D. Iwan and Nathan C. Gates, EM3:June 79:391:14644
Evaluating Pile Performance During Earthquakes, Issa S. Oweis, Preprint No.80-111, Apr 80, 27pp.
Evaluation Of Soil-Structure Interaction Methods, Anand K. Singh, Tzu-I Hsu, Tara P. Khatua and Shih-Lung Chu, EM81:Jan 81:580
Experimental Dynamics of Highway Bridges, Bruce M. Douglas, Charles D. Drown and Monty L. Gordon, EM81:Jan 81:698
Factors Affecting Liquefaction and Cyclic Mobility, Gonzalo Castro and Steve J. Poulos, GT6:June 77: 501:12994

A Federal Perspective on Lifeline Seismic Safety, Richard J. Green, C080:80:1
Formulating Utah's Seismic Policy for Lifelines, Delbert B. Ward and Craig E. Taylor, C080:80:202
Foundation Response to Soil Transmitted Loads, Satya Narayan Varadhi and Surendra K. Saxena, GT10:Oct 80:1121:15763
Fragility of Electrical Power Equipment, Anshel J. Schiff and Donald E. Newsom, TC2:Dec 79:451: 15091
Frequency Content in Earthquake Simulation, Loren D. Lutes and Kiat Lilhanand, EM1:Feb 79:143: 14391
Friction Devices To Control Seismic Response, Cedric Marsh and Avtar S. Pall, EM81:Jan 81:809
Infilled Walls for Earthquake Strengthening, Lawrence F. Kahn and Robert D. Hanson, ST2:Feb 79:283:14364
Interaction Effects Of Reactor System And Its Supports, C.-W. Lin, D. T. Tang and F. Loceff, EM81:Jan 81:609
Interactive Graphics Dynamic Analysis Of Frames, M. Gattass, J. G. Orbison, C. I. Pesquera, M. A. Schulman, W. McGuire and John F. Abel, EM81: Jan 81:502
Issues Related To Soil-Structure Dynamic Analysis, Asadour H. Hadjian, EM81:Jan 81:600
Lifeline Earthquake Engineering in Japan, Keizaburo Kubo, Tsuneo Katayama and Masamitsu Ohashi, TC1:Apr 79:221:14548
Lifeline Economics and Hazard Mitigation, Le Val Lund, C080:80:78
Lifeline Engineering Approach to Seismic Qualification, Thomas L. Anderson and Douglas J. Nyman, TC1:Apr 79:149:14531
Lifelines, Seismic Hazards and Public Policy, Charles Conrad Thiel, Jr., C080:80:6
Liquefaction Of Soil During Earthquakes, S. Nemat-Nasser, EM81:Jan 81:376
Liquefaction Study — A Decision Analysis Framework, Achintya Haldar, GT12:Dec 80:1297: 15925
Masing Model for Earthquake Response, Clifford O. Hays, Jr., Preprint No.80-547, Oct 80, 13pp.
Measurements of On-Site Dynamic Parameters for Seismic Evaluations, Roger M. Zimmerman and Kenneth R. White, EM81:Jan 81:267
Optimum Design to Resist Earthquakes, Emilio Rosenblueth, EM1:Feb 79:159:14395
Optimum Expenditures in Seismic Design, Emilio Rosenblueth, EM1:Feb 79:177:14396
Optimum Seismic-Resistant Design of R/C Frames, Stan Zagajeski Zagakesli and Vitelmo V. Bertero, ST5:May 79:829:14583
Parameter Effects on Dynamic Properties of Frozen Soils, Ted S. Vinson, GT10:Oct 78:1289:14109
Pipeline Response to Random Ground Motion, Aly Hindy and Milos Novak, EM2:Apr 80:339:15308
Planning Initiatives for Seismic Hazard Mitigation, Dennis S. Mileti, C080:80:44
Post-Yield Flexural Properties of Tubular Members, Stavros A. Anagnostopoulos, ST9:Sept 79:1757: 14821
Practical Design of Pipeline Control & Flexibility, James J. Van Houtte, C080:80:121
Probabilistic Earthquake Energy Spectra Equations, Polihronis-Thomas Demetriou Spanos, EM1:Feb 80:147:15204
Probabilistic Evaluation of Liquefaction Potential, Achintya Haldar and Wilson H. Tang, GT2:Feb 79: 145:14374
Probabilistic Evaluation of OBE for Nuclear Plants, John T. Christian, Ralph W. Borjeson and Philip T. Tringale, GT7:July 78:907:13904
Probabilistic Procedures for Peak Ground Motions, John A. Blume and Anne S. Kiremidjian, ST11:Nov 79:2293:14976
Probabilistic Site-Dependent Response Spectra, Anne S. Kiremidjian and Haresh C. Shah, ST1:Jan 80:69: 15110
Probabilistic Soil Dynamics: State-of-the-Art, John T. Christian, GT4:Apr 80:385:15339
Quantifying Hazards Information for Lifelines, Jeanne B. Perkins, C080:80:34
Reliability in Lifeline Earthquake Engineering, Kenneth W. Campbell, Ronald T. Eguchi and C. Martin Duke, TC2:Dec 79:259:15022
Reliability of Seismic Resistance Predictions, Rudolf F. Drenick and Chung-Bang Yun, ST10:Oct 79: 1879:14876
Research Needs in Lifeline Earthquake Engineering, Irving J. Oppenheim, Chmn., TC2:Dec 79:343: 15089
Response of MDOF Systems to Nonstationary Random Excitation, Dario A. Gasparini, EM1:Feb 79:13:14341
Seismically Induced Sliding of Massive Structures, Eduardo Kausel, Albert Stanley Lucks, Lewis Edgers, William F. Swiger and John T. Christian, GT12:Dec 79:1471:15065
Seismic Analysis of Fossil-Fuel Boiler Structures, T. Y. Yang and M. I. Baig, ST12:Dec 79:2511:15063
Seismic Behavior of Gravity Retaining Walls, Rowland Richards, Jr. and David G. Elms, GT4: Apr 79:449:14496
Seismic Design Input for Secondary Systems, Mahendra P. Singh, ST2:Feb 80:505:15207
Seismic Design of Oil Pipeline Systems, Robert P. Kennedy, Arthur C. Darrow and Stephen A. Short, TC1:Apr 79:119:14505
A Seismic Hazard Evaluation of California, Ronald T. Eguchi, C080:80, 66pp.
Seismic Hazards and Public Policy as Viewed by a Local Agency, James E. McCarty, C080:80:28
Seismic Hazards: A State Government Perspective, Priscilla C. Grew, C080:80:18
Seismic Response by SRSS for Nonproportional Damping, Mahendra P. Singh, EM6:Dec 80:1405: 15948
Seismic Response of Hemispherical Foundation, Steven M. Day and Gerald A. Frazier, EM1:Feb 79:29:14339
Seismic Response of Partially Prestressed Concrete, Kevin J. Thompson and Robert Park, ST8:Aug 80: 1755:15598
Seismic Response of Uplifting Building Frame, Arthur A. Huckelbridge, Jr. and Ray W. Clough, ST8:Aug 78:1211:13974
Seismic Responses of Flexible Piles, Takaaki Kagawa and Leland M. Kraft, Jr., GT8:Aug 80:899:15656
Seismic Site Response of Nonlinear Soil Media, Peter W. Taylor and Thomas J. Larkin, GT3:Mar 78:369: 13597
Seismic Zonation in the San Francisco Bay Region, Earl E. Brabb, C080:80:54
Shaking Table Earthquake Response of Steel Frame, David T. Tang and Ray W. Clough, ST1:Jan 79: 221:14324
Shear and Rayleigh Waves in Soil Dynamics, George C. Gazetas and Mishac K. Yegian, GT12:Dec 79: 1455:15053
Shear Moduli and Damping Factors of Earth Dam, Ahmed M. Abdel-Ghaffar and Ronald F. Scott, GT12:Dec 79:1405:15034
Simplified Procedure for Estimating Dam and Embankment Earthquake-Induced Deformations, Faiz I. Makdisi and H. Bolton Seed, GT7:July 78: 849:13898
Soil Liquefaction and Cyclic Mobility Evaluation for Level Ground during Earthquakes, H. Bolton Seed, GT2:Feb 79:201:14380
Stability Analysis of Embankments and Slopes, Sarada K. Sarma, GT12:Dec 79:1511:15068
The State and Local Politics of Seismic Hazard, James D. Wright, C080:193
Strength and Ductility of Tied Concrete Columns, Shamim A. Sheikh and Suzru M. Uzumeri, ST5: May 80:1079:15388
Structural Response of Traveling Seismic Waves, Stuart D. Werner, Li Chi Lee, Hung Leung Wong and Mihailo D. Trifunac, ST12:Dec 79:2547:15059
Structural Response to Stationary Excitation, Armen Der Kiureghian, EM6:Dec 80:1195:15898
Tall Building Response to Earthquake Excitations, Jann-Nan Yang, Y. K. Lin and S. Sae-Ung, EM4: Aug 80:801:15642
Tangshan Rebuilds after Mammoth Earthquake, James M. Gere and Haresh C. Shah, CE:Dec 80:47

Telecommunications After Earthquakes, J. W. Foss and J. D. Scobee, C080:80:134
Transient Analysis of Light Equipment in Structures, Jerome L. Sackman and J. M. Kelly, EM81:Jan 81: 723
Uncertainties in Seismic Risk Procedures, Neville C. Donovan and Ann E. Bornstein, GT7:July 78:869: 13896
Utility Lifelines and Economic Activity in the Context of Earthquakes, Adam Zachary Rose, C080:80:107

Earthquake Simulation Models
Anti-Earthquake Application Of Pulse Generators, Sami F. Masri, George A. Bekey, Frederick B. Safford and Tejav J. dehghanyar, EM81:Jan 81:87
Earthquake Simulation Using Contained Explosions, John R. Bruce and Herbert E. Lindberg, EM81:Jan 81:111
A Fault-Rupture Propagation Model For Groung Motion Simulation, Yoshikazu Yamada and Shigeru Noda, EM81:Jan 81:225
High Explosive Simulation of Earthquake-Like Motions, Cornelius J. Higgins, Roy L. Johnson, George E. Triandafilidis and David W. Steedman, EM81:Jan 81:126

Earthwork
Earthwork Quantity Surveys at Damsites, Kevin B. Flynn, ASDC:80:124
Probabilistic Evaluation of Liquefaction Potential, Achintya Haldar and Wilson H. Tang, GT2:Feb 79: 145:14374
Productivity and Technology in Construction, Janet A. Koch and Fred Moavenzadeh, CO4:Dec 79:351: 15077
Service-Wide Earthwork — A Software Team Effort, Gordon J. Serpa and Duane W. Chamot, CP80: June 80:357

Earthworks
Economic of Hazard Mitigation for Transportation Structures, John J. Kozak, C080:80:85
Liquefaction Study — A Decision Analysis Framework, Achintya Haldar, GT12:Dec 80:1297: 15925

Eccentricity
Biaxially Loaded Concrete Sections, M. Pinto de Magalhaes, ST12:Dec 79:2639:15058
Seismic Response of Eccentrically Braced Frames, Ashok K. Jain and Subhash C. Goel, ST4:Apr 80: 843:15338
Stiffness Matrix for Eccentric Beam Segment, Lawrence L. Durocher and James Kane, TN: ST2: Feb 79:447:14351

Eccentric Loading
Eccentrically Loaded Elastically Supported Columns, R. Richard Avent, TN: ST12:Dec 80:2547:15874

Eccentric Loads
Biaxial Bending Simplified, Himat T. Solanki, TN: ST5:May 80:1198:15384

Ecology
Atlantic Coast Ecological Inventory, 1980, J. Albert Sherk, Jr. and Larry R. Shanks, CZ80:Nov 80:206
Ecological Characterizations—An Evaluation Tool, Jay F. Watson, CZ80:Nov 80:509
Issues in Mapping Atlantic Coastal Ecological Data, Paul R. Adamus, Thomas E. Bigford and James R. Hynson, CZ80:Nov 80:160
Marine Ecosystem Management, George W. Robertson, CZ80:Nov 80:72
Nutrient-Uptake Model in Marsh Ecosystems, Lawrence A. Burns and R. Bruce Taylor, III, TC1: Apr 79:177:14540
Preparing for Oil Spills in the Delaware River Estuary, Jure Lindstedt-Siva, CZ80:Nov :294
Two Approaches to Coastal Area Planning in Japan, Harvey A. Shapiro, CZ80:Nov 80:741

Economic Analysis
Airborne Laser Acquisition of Cross-Section Data, John G. Collins and William B. Krabill, AS80:Aug 80:175
Construction and Design of Large Cooling Towers, Wolfgang Zerna and Ihsan Mungan, ST2:Feb 80: 531:15217
Construction Planning—Beyond the Critical Path, George S. Birrell, CO3:Sept 80:389:15684
Construction Project Selection and Bernoulli Utility, V. K. Handa and I. F. Georgiades, CO3:Sept 80: 355:15683
Co-ordinated Use of Facilities, Robert Schumacher, UT79A:July 79:109
Correction of Bidding Errors: The Belgian Solution, Frans Van Cauwelaert and Ernst Heynig, CO1:Mar 79:13:14411
Cost of Water Supply: Selected Case Studies, Robert M. Clark, John A. Machisko and Richard G. Stevie, EE1:Feb 79:89:14365
Criteria for the Selection of Construction Equipment, Marvin Gates and Amerigo Scarpa, CO2:June 80: 207:15507
Crop-Water Production Functions in Economic Analysis, Harry Ayer, Paul Hoyt and Melvin L. Cotner, IRKA:July 80:336
Demonstration d-RDF Burn GSA Pentagon Power Plant, H. M. Freeman, Jay Campbell and M. A. Golembiewski, EE80:July 80:598
Designing for Deficit Irrigation, Marshall J. English and G. S. Nuss, IRKA:July 80:312
Distribution of Urban Transportation Costs, Chris Hendrickson and John Pucher, UT79A:July 79:81
Economic Analysis of Control Measures, Tymen W. Hofflander, CAAA:Nov 79:270
Economic Assessment of Storm Drainage Planning, Walter J. Rawls and Richard H. McCuen, WR1: Nov 78:45:14162
Economic Model for Reservoir Planning, Nancy Young Moore and William W-G. Yeh, WR2:July 80:383:15520
Economic Model for Urban Watersheds, Thomas N. Debo and Gerald N. Day, HY4:Apr 80:475:15333
Economic Potential of Tunnel Standardization, Delon Hampton and Terence G. McCusker, CO3:Sept 80: 247:15668
Energy Recovery From Waste and Biomass—Site Specific Economic Studies, Roger C. Bales, Ira J. Wright and Lory E. Larson, EE80:July 80:582
Feasibility of Five Low-Head Hydro Projects, James V. Williamson and Anthony Wayne Pietz, EY1:Apr 80:57:15327
Forecasting Housing Requirements in a College Town, Yupo Chan and Wayne P. Rasmussen, UP1: Jan 79:9:14299
Groundwater Recharge: Economic Benefit Quantified, Lonnie D. Schardt, IRKB:July 80:129
Hydro Expansion Studies at Holtwood and Safe harbor, Purshotam L. Chai and William N. Strobel, EY2:Aug 79:265:14771
Lifeline Seismic Risk: Decisions Under Uncertainty, Irving J. Oppenheim, C080:80:218
Load Management Economics with Pumped Storage, Charles R. Scherer, EY1:Apr 80:69:15314
Modeling of Reject Heated Water Use in Greenhouses, Edward A. McBean, Donald Haycock, Gary Ashley and Jack Gorrie, EY2:Oct 80:165:15732
Optimal Capacity of Municipal Water Supply Pumps, Trevor C. Hughes, WR2:Sept 79:317:14846
Optimal Design of Water Conveyance Systems, Quentin W. Martin, HY9:Sept 80:1415:15672
Port Capacity Methodology — Simplified, John F. Warwar, PO80:May 80:203
Port Planning and Economic Development, Daniel P. O'Halloran, PO80:May 80:47
Practical Aspects of Town Water Planning, Paul G. Fischer, Jr. and Tsung Ting Chiang, WR1:Mar 80: 159:15279
Regional Paratransit Services: An Evaluation, John Collura and Robert P. Warren, TE6:Nov 79:683: 14969
The Role of Deepwater Ports: The Texas Experience, C. Michael Walton, PO80:May 80:73

Selecting a Cost-Plus Contractor — A Case Study, James E. Diekmann, Preprint No.80-057, Apr 80, 23pp.
Session II—Economic Aspects of Hydrologic Forecasting, L. Douglas James, EFHYF:Mar 79:417
Small Water Systems: Role of Technology, Robert M. Clark, EE1:Feb 80:19:15181
Spatial and Demographic Data: A Unified Means for Predicting Urban Service System Performance, Robert M. Clark and Richard M. Males, SU80:June 80:142
Stochastic Approach to Waste Treatment Planning, Roger D. Hansen, A. Bruce Bishop and Rangesan Narayanan, WR1:Mar 80:275:15265
Suite of Mathematical Flood Plain Models, Heinz Willi Weiss and Desmond Clifford Midgley, HY3: Mar 78:361:13604
Tidal Protection Measures — Social and Legal Problems, Hyman J. Fine, HYUS:June 80:44
Two Centuries of Water Planning Methodology, Ray K. Linsley, WR1:Mar 79:39:14405
Urban Transport Issues: A World Bank Approach, Gabriel Roth, MGC:July 80:184
Use of a Scale Model to Improve Pond Circulation, William A. Rozeboom, HYCO:Aug 80:1
User Losses in Earthquake-Damaged Roadway Networks, Chris Hendrickson, Irving J. Oppenheim and Krishnaswami Siddharthan, TC1:Aug 80:117: 15631
Water Source Investigation for Newport News, Va., Robert C. Dolecki, Richard E. Underhill and James A. Rhodes, EE80:July 80:249
Water Use For Electric Power Generation, David M. Snyder, K. T. Mao and Robert D. Glynn, Jr., EFHYF:Mar 79:400

Economic Conditions

Improved Hydrologic Forecasting—Why and How, William P. Henry, Chmn., EFHYF:Mar 79
The New OBERS Projections, Henry L. DeGraff, EFHYF:Mar 79:93

Economic Development

Port Planning and Economic Development, Daniel P. O'Halloran, PO80:May 80:47
Western Economic Development and Water Planning: Bureau of Reclamation, John E. Keith, Keith Wilde, Jay C. Andersen and Allen LeBaron, WR1:Mar 79:161:14416

Economic Factors

Locally Important Economic Considerations in Flooding and Flood Plain Management, D. Earl Jones, Jr., EFHYF:Mar 79:352
Planning Initiatives for Seismic Hazard Mitigation, Dennis S. Mileti, C080:80:44
Tornado Technology and Professional Practice, Joseph E. Minor, Preprint No.80-643, Oct 80, 11pp.

Economic Feasibility

Paratransit in Developing Countries, Sigurd Grava, MGC:July 80:278
Physical-Economic Evaluation of Tillage Systems, Daniel Taylor, Douglas Young and Donald McCool, IRKB:July 80:985

Economic Forecasting

Construction Cost Estimating in the Design Process, George S. Birrell, CO4:Dec 80:551:15880

Economic Growth

Japan as Number One (Book Review), CE:Oct 80: 104

Economic Impact

Economic Effect of Heavy Trucks on Highways, C. Michael Walton and Dock Burke, MGC:July 80: 105
Lifeline Economics and Hazard Mitigation, Le Val Lund, C080:80:78
Lifelines, Seismic Hazards and Public Policy, Charles Conrad Thiel, Jr., C080:80:6
Port Planning and Economic Development, Daniel P. O'Halloran, PO80:May 80:47
Quantifying Hazards Information for Lifelines, Jeanne B. Perkins, C080:80:34
Sewage Treatment Costs: Assessing the Impact on Communities, Lawrence B. Cahill and Heather L. Burns, EE80:July 80:191
Utility Lifelines and Economic Activity in the Context of Earthquakes, Adam Zachary Rose, C080:80:107

Economic Justification

Policy Issues Concerning Water Quality/Quantity, William Whipple, Jr., WR1:Mar 80:71:15241

Economic Models

Economic Model for Reservoir Planning, Nancy Young Moore and William W-G. Yeh, WR2:July 80:383:15520
Economic Model for Urban Watersheds, Thomas N. Debo and Gerald N. Day, HY4:Apr 80:475:15333

Economics

Application of POA to Transshipment Terminals, A. T. Yu and Daniel Mahr, PO80:May 80:126
Codisposal of Sludge and Refuse, William F. Cosulich and Miro Dvirka, EE80:July 80:592
Concreting and Formwork Logistics and Optimization, Marvin Gates and Amerigo Scarpa, CO2:June 78:219:13842
Determining Feasibility of Small-Scale Hydropower, David C. Willer, Preprint No.80-518, Oct 80, 10pp.
Economic Issues of Growth Management in Florida, James C. Nicholas, Preprint No.80-611, Oct 80, 9pp.
Economic of Hazard Mitigation for Transportation Structures, John J. Kozak, C080:80:85
Economics and Water Resources Planning in America, L. Douglas James and Jerry R. Rogers, WR1:Mar 79:47:14427
Evaluation of Deepwater Oil Terminals: A Case Study, C. Michael Walton, MGC:July 80:85
Expansion of Effluent Constrained Treatment Plants, Brian J. Williams, EE3:June 80:571:15469
Hydrologic/Economic Systems in Watershed Research, David G. Carvey and James G. Robb, IRKB:July 80:1036
Japan as Number One (Book Review), CE:Oct 80: 104
Optimum Spillway Breadth for Gravity Dams, John M. Townson, HY3:Mar 80:409:15254
Population and Economic Data in Transit Analysis, Katrin Parker-Simon and Robert E. Paaswell, UP1: Nov 80:43:15827
Power Plant Siting: Economic Screening Techniques, Donald L. Matchett and Robert P. Kitchell, EY2: Aug 79:277:14770
Price Elasticities of Nonbusiness Air Travel Demand, Adib Kanafani, TE2:Mar 80:217:15294
Railroad Electrification in the Pacific Area, Willard D. Weiss, MGC:July 80:117
Recent Safety Developments in Vehicles, King K. Mak, HW80:Mar 80:199
Slurry Pipeline Design with Geometric Programming, Steven M. Rasey and Robert R. Faddick, TE6:Nov 80:815:15841
A Strategy for Financing Coastal Erosion Control, Waldon R. Kerns and Janet Scheid, CZ80:Nov 80: 19
Utility Lifelines and Economic Activity in the Context of Earthquakes, Adam Zachary Rose, C080:80:107

Ecosystems

Hydrologic/Economic Systems in Watershed Research, David G. Carvey and James G. Robb, IRKB:July 80:1036
Modeling of PCB Fate in the Hudson River System, Robert V. Thomann, Paul C. Pacquin and James J. Fitzpatrick, EE80:July 80:130
Modeling Suspended Solids and Associated Bacteria in Natural Water Systems, Christopher G. Uchrin and Walter J. Weber, Jr., EE80:July 80:160

Eddies
Constant and Variable Eddy Viscosity Flow Simulations in Settling Tanks, David R. Schamber and Bruce E. Larock, HYCO:Aug 80:345
On the Effect of the Value of the Eddy Coefficients on the Simulated Vertical Structure of Stratified Flows, Angelos N. Findikakis and Robert L. Street, HYCO:Aug 80:377

Edge Effect
Airfield Pavement Demonstration-Validation Study, Donald M. Arntzen, Ernest J. Barenberg and Robert J. Krause, TE6:Nov 80:721:15813
Bending of Strip with Semielliptic Notches or Cracks, Norio Hasebe, EM6:Dec 78:1433:14248

Education
Coordinated Advancement for Professionals, Robert L. Kimmons, EI3:July 80:227:15529
The Effect of Organization Culture on Managers, Lawrence A. Salomone, Preprint No.80-503, Oct 80, 13pp.
Engineering Management—University Extension, Alfred C. Ingersoll, EI2:Apr 80:89:15352
Engineering Management—University Programs, Tung Au, EI2:Apr 80:81:15351
Impact of Education & Communication on Productivity, Bill W. Klotz, EI1:Jan 78:35:13464
Land Surveying Research Needs: The Next Decade, Roscoe B. Snedeker, SU1:Nov 79:85:14961
Large-Scale Urban Modeling, Otto J. Helweg, UP2: Nov 79:89:14947
The Role of ASCE in Influencing Public Policy on Controversial Technical Issues, Karen Kirk, EI4:Oct 80:415:15780
Tips for Training Workers in the Development World, Richard H. Wall, CE:Dec 80:65

Education-Practice Interchange
Practitioners in an Academic Environment, Gerald R. Seeley, EI3:July 80:205:15561

Effective Stress
Design and Construction of Short Piles for Expansive Soils in Coro, Venezuela, Leopoldo Garcia-Iturbe and Jorge Martinez, SLS:June 80:850
Microscopic Study of Mechanisms in Soils, Tamotsu Matsui, Tomio Ito, James K. Mitchell and Nobuharu Abe, GT2:Feb 80:137:15221
Pore-Pressure Dissipation During Excavation, Ayed E. Osaimi and G. Wayne Clough, GT4:Apr 79:481: 14509
Simplified Procedure for Effective Stress Anaysis of Ground Response, Philippe P. Martin and H. Bolton Seed, GT6:June 79:739:14659

Efficiencies
Standards for Irrigation Efficiencies of ICID, Marinus G. Bos, IR1:Mar 79:37:14457

Efficiency
Allocation of Risks — A Contractor's View, Norman A. Nadel, CRLS:Jan 79:1-61
Co-ordinated Use of Facilities, Robert Schumacher, UT79A:July 79:109
Crop-Water Production Functions in Economic Analysis, Harry Ayer, Paul Hoyt and Melvin L. Cotner, IRKA:July 80:336
Efficiency Through Pricing in Urban Transportation, William S. Vickrey, UT79A:July 79:120
Field Evaluation of Hammer Efficiency and Pile Driving Criteria, Dunstan D. S. Chen, James V. Toto and I. H. Wong, GTDF:80:64
Improved Resource Allocation, State & Federal: How Federal Transit Aid Influences Local Decisions, Jay R. Cherlow, UT79A:July 79:200
Indicator Pile and Load Test Program, Oliver H. Gilbert, Jr., Mahmut Otus and Joseph Corollo, GTDF:80:122
Overview of DOE Programs for Energy Efficiency in Transportation, Richard T. Alpaugh and James S. Moore, MGC:July 80:148
Plan Better Irrigation Systems With IMS Techniques, Gordon LyFord and Monte McVay, IRKA:July 80: 243
Project Management and Contractual Relationships, Samuel L. Hack, CRLS:Jan 79:1-73
Stress Measurements for Offshore Piles Driving, Wendell R. Vines and Jack J. Amar, GTDF:80:475
Water Use Efficiency: A Case Study In NW Nevada, Johannes C. Guitjens, IRKA:July 80:365
Well Construction and Development to Increase Efficiencies, Hal D. Werner, Tom F. Scherer and Evan R. Allred, Preprint No.80-118, Apr 80, 20pp.
What Can be Done to Boost the Efficiency of the Civil Engineering Profession?, CE:Oct 80:91

Effluent Reuse
Effluent Irrigation at Different Frequencies, Allen R. Overman, EE3:June 79:535:14626
Stormwater and Reclaimed Effluent in Trickle Irrigation, Gideon Oron, Gedaliah Shelef and Benjamin Zur, IR4:Dec 80:299:15906

Effluents
Design Criteria for Cooling-Water Outlet Structures, Michael Schatzmann and Eduard Naudascher, HY3:Mar 80:397:15239
Environmental Case History of an Ocean Outfall, Noel J. Williams, Richard B. Meighan, Donald D. Treadwell and George J. Murphy, CZ80:Nov 80: 703
Erosion by Circular Wall Jets in Cross Flow, Nallamuthu Rajaratnam, HY11:Nov 80:1867:15842
Fault Tree Analysis for Wastewater Treatment, David L. Kelley and Richard C. Allison, EE6:Dec 79:1105:15031
Granular Media Filtration of Dredging Effluents, Dimitrios K. Atmatzidis, Joseph A. FitzPatrick and Raymond J. Krizek, WW1:Feb 79:33:14342
Mathematical Model for Staged Diffuser Discharge, Dominique N. Brocard, Charles H. Beauchamp and Shih-Kuan Hsu, HYCO:Aug 80:154
Removal of Soluble Secondary-Effluent Organics, Stephen J. Randtke and Perry L. McCarty, EE4: Aug 79:727:14763
Short Thermal River Diffusers, Alfred David Parr, J. G. Melville and J. J. Dlubac, HYCO:Aug 80:131
Staged Multiport Diffusers, Charles W. Almquist and Keith D. Stolzenbach, HY2:Feb 80:285:15185
Stormwater and Reclaimed Effluent in Trickle Irrigation, Gideon Oron, Gedaliah Shelef and Benjamin Zur, IR4:Dec 80:299:15906

Egypt
Environment and Water Development in Third World, Asit K. Biswas, WR1:Mar 80:319:15295
Reinforced Gypsum for Egyptian Housing, Mahmoud A. Reda Youssef and Albert G.H. Dietz, Preprint No.80-169, Apr 80, 20pp.

Eigenvalues
Eigenvalues for $\Delta\phi+\lambda\phi=0$ in Regular Polygons, Peter Bettess, TN: EM6:Dec 80:1433:15871
Forced Vibration of Beams by Eigenmatrix Method, Bennosuke Tanimoto, Kiyoshi Ishikawa and Shotaro Natsume, ST12:Dec 79:2725:15090
Rectangular Plates on Linear Viscoelastic Foundations, Keiichiro Sonoda and Harutoshi Kobayashi, EM2:Apr 80:323:15307

Eigenvectors
Eigenvalues for $\Delta\phi+\lambda\phi=0$ in Regular Polygons, Peter Bettess, TN: EM6:Dec 80:1433:15871

Ejectors
Filter Backwashing by Ejector, Jerry Y.C. Huang, EE5:Oct 79:915:14890

Elastic Analysis
Nonlinear Elastic Analysis of Panelized Shear Sandwich Walls, Paul P. Fazio and Santi Rizzo, ST6:June 79:1187:14649

Elastic Foundations
Beam Equation with Variable Foundation Coefficient, Joel N. Franklin and Ronald F. Scott, EM5:Oct 79: 811:14926
Circular Beam on Elastic Foundation, Dimitrios E. Panayotounakos and Pericles S. Theocaris, EM5: Oct 79:839:14891
Grid on Elastic Foundation with Rotational Restraints, M. A. Kassem, F. M. El-Amin and L. Greimann, TN: ST7:July 80:1645:15517
Response of Beams on Elastic Foundations to Dynamic Loading, Bharat Bhushan Prasad and N. S.V. Kameshwar Roa, TN: EM1:Feb 80:179:15164
Shakedown under Elastic Support Conditions, Irving J. Oppenheim, ST7:July 80:1417:15536

Elasticity
Folded Plates with Intermediate Flexible Supports, Abubakr A. Wahab and Adam M. Mousa, ST10: Oct 79:2091:14905
Laboratory Tests on Model Piled Raft Foundations, Terence J. Wiesner and Peter T. Brown, GT7:July 80:767:15576
Nonlinear Layered Timber Cylindrical Shells, Peter J. Moss, Athol J. Carr and Nicholas C. Cree-Brown, ST10:Oct 79:2019:14932
Tests on Nailed and Glued Layered Timber Cylindrical Shells, G. Bryan Walford and Peter J. Moss, ST1:Jan 80:247:15152

Elastic Media
Continuum Model of Medium with Cracks, Mark Kachanov, EM5:Oct 80:1039:15750
Cross-Ply Elliptic Plates of Bimodulus Material, Sandra K. Kincannon, Charles W. Bert and V. Sudhakar Reddy, ST7:July 80:1437:15537
Finite Element Schemes for Porous Elastic Media, Gerhard Krause, EM3:June 78:605:13851
Postbuckling of Orthotropic Plate Structures, John B. Kennedy and Madanapalli K. Prabhakara, ST7:July 80:1497:15518

Elastic Modulus
Graded and Perfect Disorder in Random Media Elasticity, Ekkehart Kroner, EM5:Oct 80:889: 15754

Elastic-Plastic Analysis
Computation of Non-Unique Elastic-Plastic Trusses, David L. White and Philip G. Hodge, Jr., Preprint No.80-510, Oct 80, 14pp.

Elastic Plastic Behavior
Elastic-Plastic Deflections Due To Pulse Loading, P. S. Symonds, EM81:Jan 81:887
Elastic-Plastic Model for Saturated Sand, George Y. Baladi and Behzad Rohani, GT4:Apr 79:465:14510

Elastic Plastic Media
Dynamic Shakedown in Elastic-Plastic Bodies, Giulio Ceradini, EM3:June 80:481:15471

Elastic Properties
Assemblage Method for Folded-Plate Analysis, Fouad H. Victor and Fernand Ellyin, ST7:July 79: 1509:14689
Concrete Strength Prediction by the Maturity Method, Tarun R. Naik, EM3:June 80:465:15453
Constitutive Models for Concrete Structures, Wai F. Chen and Edward C. Ting, EM1:Feb 80:1:15177
Cross-Ply Elliptic Plates of Bimodulus Material, Sandra K. Kincannon, Charles W. Bert and V. Sudhakar Reddy, ST7:July 80:1437:15537
Finite Element Model for Masonry, Adrian W. Page, ST8:Aug 78:1267:13957
Partial Composite Action in Diaphragms, Rafik Y. Itani and Girish S. Hiremath, EM4:Aug 80:739: 15624
Self-Consistent Techniques for Heterogeneous Media, Michael P. Cleary, I-Wei Chen and Shaw-Ming Lee, EM5:Oct 80:861:15769
Slope-Deflection for Elastic-Viscoplastic Frames, Rong C. Shieh, EM6:Dec 79:953:15052
Soil Modulus and Longitudinal Pipeline Stresses, Roger E. Hobbs, TE6:Nov 80:775:15831

Elastic Waves
Analysis of Earth Dam Response to Earthquakes, Ahmed M. Abdel-Ghaffar and Ronald F. Scott, GT12:Dec 79:1379:15033
Reflection and Refraction at Subsonic Velocities, Thambirajah Balendra, EM4:Aug 80:819:15646

Elastomer Specifications
Marine Fender Specifications, Robert A. Young, PO80:May 80:547

Elasto-Plastic
Anisotropic Undrained Stress-Strain Behavior of Clays, Jean-Herve Prevost, GT8:Aug 78:1075: 13942
Elasto-Plastic Torsion of Axisymmetric Bars, Rafik Y. Itani, EM1:Feb 79:1:14367
Quasilinear Integration of Elasto-Plastic Shells, Habid U. Ahmed and John W. Leonard, EM1:Feb 79:91: 14371

Elections
Elected Office For Engineers?, Norman L. Cooper, EI4:Oct 79:233:14924
Political Action—Why Are Engineers Getting Involved?, Kneeland A. Godfrey, Jr., CE:Aug 80:66

Electrical Conductance
Dissolved Solids from Appalachia Coal Mining, Jack D. Generaux and Keith O. Eggleston, IRKB:July 80:607

Electrical Engineering
Equivalent Linear SDF Response to Earthquakes, Visit Tansirikongkol and David A. Pecknold, ST12: Dec 79:2529:15073

Electrical Resistivity
Indirect Techniques for Investigating Hazardous Waste Burial Sites, Richard C. Dorrler, EE80:July 80:576

Electric Analogs
Use of Electrical Analogs as a Design Tool for Tidal Canals, Robert M. Snyder, Bent A. Christensen and Raymond Walton, HYUS:June 80:119

Electric Power Generation
Pumped Storage Optimization in Generation Systems, James S. Windsor, WR1:May 77:99:12946
Sedimentation Control During Site Development, Michael L. Jones and Clyde B. Tatum, CO1:Mar 80:17:15236

Electric Railroads
Railroad Electrification in the Pacific Area, Willard D. Weiss, MGC:July 80:117

Electric Systems
Thermographic Applications for Plant and Building Engineers, Henry H. Schmalz, AS80:Aug 80:131

Electric Utilities
Economic and Seismic Hazard Mitigation for a Gas and Electric Utility, Ricahrd V. Bettinger, C080:80: 98
Formulating Utah's Seismic Policy for Lifelines, Delbert B. Ward and Craig E. Taylor, C080:80:202
Utility Lifelines and Economic Activity in the Context of Earthquakes, Adam Zachary Rose, C080:80:107

Electric Vehicles
Impact of Potential Electric Vehicle Market Penetrations on Air Quality, Martin J. Bernard, III, CAAA:Nov 79:329
Technology Substitution for Air Quality Improvement, E. A. Deakin and H. W. Bruck, CAAA:Nov 79:357

Electrification
Railroad Electrification in the Pacific Area, Willard D. Weiss, MGC:July 80:117

Electrochemistry
Physical Model for Steel Corrosion in Concrete Sea Structures—Application, Zdenek P. Bazant, ST6: June 79:1155:14652

Electromagnetic Fields
Timber Trestle Carries Air Force Bombers, CE:Dec 80:56

Electromagnetic Properties
Stressing of Transmission Tower Peak by Lighting, Thazhath Veettil Gopalan, EY1:Jan 79:103:14328

Electromagnetic Prospecting
Cross-Borehole Observation of Soil Grouting, Edwin F. Laine, R. Jeffrey Lytle and Justin T. Okada, GT8:Aug 80:871:15649
Probing Concrete with Radio Waves, Edwin F. Laine, K. A. Dines, Justin T. Okada and R. Jeffrey Lytle, GT7:July 80:759:15556

Electromagnetic Pulses
Timber Trestle Carries Air Force Bombers, CE:Dec 80:56

Electromagnetic Radiation
Timber Trestle Carries Air Force Bombers, CE:Dec 80:56

Electromagnetic Shielding
Timber Trestle Carries Air Force Bombers, CE:Dec 80:56

Electromagnetic Testing
Timber Trestle Carries Air Force Bombers, CE:Dec 80:56

Electronic Control
Probing Concrete with Radio Waves, Edwin F. Laine, K. A. Dines, Justin T. Okada and R. Jeffrey Lytle, GT7:July 80:759:15556

Electronic Equipment
The Use of B&W and C.I.R. Photography at M.D.O.T., Robert R. Green, AS80:Aug 80:140

Electronic Mapping
Surveying Takes Another Giant Step Forward, Eugene E. Dallaire, CE:Feb 79:60

Electronic Monitoring Systems
Monitoring of Dam Movements Using Laser Light, Don Slobodnik and Edward F. Roof, TE6:Nov 80: 829:15850

Electronic Recording
Surveying Takes Another Giant Step Forward, Eugene E. Dallaire, CE:Feb 79:60

Electron Microscopes
Microscopic Study of Mechanisms in Soils, Tamotsu Matsui, Tomio Ito, James K. Mitchell and Nobuharu Abe, GT2:Feb 80:137:15221
Part Two: Basics in Failure Analysis of Large Structures, Richard Roberts and Alan W. Pense, CE:July 80:60

Electroosmosis
Electro-Osmosis Chemistry and Water Quality, Burton A. Segall, Charles E. O'Bannon and Judson A. Matthias, TN: GT10:Oct 80:1148:15724
In-Situ Volume-Change Properties by Electro-Osmosis - Theory, Sunirmal Banerjee and James K. Mitchell, GT4:Apr 80:347:15370
In-Situ Volume-Change Properties by Electro-Osmosis—Evaluation, James K. Mitchell and Sunirmal Banerjee, GT4:Apr 80:367:15371

Electroplating
Comparative Metals Precipitation Techniques, Lynn P. Croy and William R. Knocke, EE80:July 80:534
Vacuum Filtration of Metal Hydroxide Sludges, William R. Knocke, Mriganka M. Ghosh and John T. Novak, EE2:Apr 80:363:15363

Elevators
Elevator System Configuration Optimization, Yosef Sheffi, TE2:Mar 79:127:14448
Sand Feeding by Elevator, H. J. Geldof and J. Groeneveld, TN: HY12:Dec 80:2055:15872

Elevators (Lifts)
Elevator System Configuration Optimization, Yosef Sheffi, TE2:Mar 79:127:14448

El Salvador
Aquifer Tests at San Lorenzo Dam, El Salvador, Jing-Yea Yang and Sanford I. Strausberg, HYCO: Aug 80:119
Calibration of Numerical Model for Harbor Waves, Herman Bomze, HYCO:Aug 80:441
Math Model for Harbor Waves/Ship Motions/ Moorings, Herman Bomze, PO80:May 80:624

Embankment Design
Simplified Procedure for Evaluating Embankment Response, Faiz I. Makdisi and H. Bolton Seed, GT12:Dec 79:1427:15055

Embankments
Design and Construction of Fabric Reinforced Embankments, Jack Fowler and T. Allan Haliburton, Preprint No.80-177, Apr 80, 30pp.
Embankments Through Cross River Swamp, Roger Foott, Dan Devecseri, C. N. Aneke, J. O. Jackson and Charles C. Ladd, GT3:Mar 80:219:15288
Highway Embankment Doubles as Dam, Shiwendra P. Singh, CE:Apr 79:80
Simplified Procedure for Estimating Dam and Embankment Earthquake-Induced Deformations, Faiz I. Makdisi and H. Bolton Seed, GT7:July 78: 849:13898

Embedded Materials
Engineering Approximations for the Dynamic Behaviour of Deeply Embedded Foundations, A. P. S. Selvadurai and M. Rahman, EM81:Jan 81:361
Ozone Inactivation of Floc Associated Viruses and Bacteria, Douglas S. Walsh, Charles E. Buck and Otis J. Sproul, EE4:Aug 80:711:15601

Embedding
Approximate Approach to Contact Effects of Piles, Milos Novak and Mohammed Sheta, GTA80:Oct 80:53
Stable Embedment Depth of Piles in Swelling Clay, D. David and A. Komornik, SLS:June 80:798
Torsional Vibration Tests on Embedded Footings, K. S. Sankaran, N. R. Krishnaswamy and P. G. Bhaskaran Nair, TN: GT3:Mar 80:325:15262

Emergencies
A Federal Perspective on Lifeline Seismic Safety, Richard J. Green, C080:80:1
Flood Emergency Evacuation Plans, Ronald E. Hilton, HYUS:June 80:56
Public Works Directors—Why Do Some Stand Out?, Philip V. Di Vietro, CE:Aug 80:68
Water Lifeline EQ Engineering Practiced by Ebmud, Walter F. Anton, C080:80:125

Emergency Services
Flood Emergency Evacuation Plans, Ronald E. Hilton, CZ80:Nov 80:1188

Emission
Acoustic Emission of Fiber Reinforced Plastics, Timothy J. Fowler, TC2:Dec 79:281:15021
Microscopic Study of Mechanisms in Soils, Tamotsu Matsui, Tomio Ito, James K. Mitchell and Nobuharu Abe, GT2:Feb 80:137:15221

Emission Control
Air Pollutants from Sewage Sludge Incineration, Thomas T. Shen, EE1:Feb 79:61:14370
Alcohol Fuel Impacts Upon Energy Conservation and Air Quality, J. Barrett Pullman, CAAA:Nov 79:341
The Arizona Inspection/Maintenance Program, R. Fred Iacobelli, CAAA:Nov 79:95
Developments in Motor Vehicle Inspection/Maintenance, Thomas Cackette, Philip Lorang and David Hughes, CAAA:Nov 79:76
Hydraulics of Microtube Emitters, Krishanlal C. Khatri, I-Pai Wu, Harris M. Gitlin and Allan L. Phillips, IR2:June 79:163:14613
Impact of Future Vehicle Technology on I/M Programs, J. C. Calhoun and G. F. Blass, CAAA: Nov 79:103
The Impact of Hydrocarbon Emission Controls on Marine Design, Joseph G. Zabaga, PO80:May 80: 677
Impact of Potential Electric Vehicle Market Penetrations on Air Quality, Martin J. Bernard, III, CAAA:Nov 79:329
The Impact of the Clean Air Act on Future Transportation, John O. Hidinger, CAAA:Nov 79:7
Packaging Transportation Measures for Air Quality, John H. Suhrbier, CAAA:Nov 79:138
Pennsylvania's Proposed Emission I/M Program, Maurice R. Devin, CAAA:Nov 79:120
Quantifying Emission Impacts of High Occupancy Vehicles, Frank C. Yu, CAAA:Nov 79:294
Rules of Thumb for Transportation/Air Quality Alternatives Analysis, Martin H. Weiss, CAAA: Nov 79:259
Sensitivity and Sensibility in Air Quality Models, Michael L. Hatmaker, CAAA:Nov 79:250
Stationary and Mobile Source Controls and Tradeoffs, Salvatore J. Bellomo and Jawaharlal Mehra, CAAA:Nov 79:153
Transportation Air Quality Planning — The Twin Cities Approach, Raymond W. Thron and David Braslau, CAAA:Nov 79:215
Transportation Controls to Promote Air Quality: The San Francisco Bay Area Experience, Vincent Petrites, CAAA:Nov 79:179
Transportation in New Jersey and the Clean Air Act, James Newcomb, CAAA:Nov 79:114
Transportation System and Control Measure Analysis of Air Quality Alternatives — The Los Angeles Basin Experience, David D. Knight and James D. Kellar, CAAA:Nov 79:189
Trip-Based Analysis of Auto Emissions, Greig Harvey, CAAA:Nov 79:225
The Use of Photochemical Grid Models to Analyze Transportation Actions, Martin H. Weiss, CAAA: Nov 79:322

Emissions
Are Environmental Regulations Attaining a Realistic Balance among Energy and Environmental Goals, Robert M. Jimeson and Robert Kane, EE1:Feb 79: 121:14389
Automatic Steam Gathering Reduces Emissions at "The Geysers", CE:June 80:78

Emission Standards
Air Pollutants from Sewage Sludge Incineration, Thomas T. Shen, EE1:Feb 79:61:14370
The Impact of Hydrocarbon Emission Controls on Marine Design, Joseph G. Zabaga, PO80:May 80: 677
1977 Clean Air Act: Cheapest Way to Clean Up the Environment?, Eugene E. Dallaire, CE:Mar 79:85

Emittance
Flow Regime in Helical Long-Path Emitters, S. Tal and Benjamin Zur, IR1:Mar 80:27:15291
Trickle Irrigation Using Treated Wastewaters, Gideon Oron, Gedaliah Shelef and Berta Turzynski, IR2: June 79:175:14611

Employee Relations
Management Impacts on Labor Productivity, Robert D. Logcher and William W. Collins, CO4:Dec 78: 447:14235
Public Engineers—Why the Least Happy Category of Civil Engineers?, Kneeland A. Godfrey, Jr., CE: Mar 80:86
Supervisor-Worker Relationship Affects Injury Rate, Jimmie Hinze and Francine Gordon, CO3:Sept 79: 253:14848
Water Resources Education Requirements of Engineering Firm, Alan H. Schultz and Richard A. Westmore, WR2:Sept 79:377:14858

Employees
State DOT Personnel Administration, H. Randolph Thomas, Jr., Jack H. Willenbrock and James L. Burati, Jr., TE3:May 80:317:15418

Employment
Employment Practices from a Minority's Perspective, Cordell Reed, EI3:July 79:159:14718
Forecasting Housing Requirements in a College Town, Yupo Chan and Wayne P. Rasmussen, UP1: Jan 79:9:14299
Metropolitan Section Accreditation Program on Compliance with Manual 55, Thomas A. Mulhern, EI1:Jan 79:35:14316
Population and Economic Data in Transit Analysis, Katrin Parker-Simon and Robert E. Paaswell, UP1: Nov 80:43:15827
Professional Alternative to Collective Bargaining, Frederic L. Blum, EI2:Apr 79:77:14514
Should an Engineer be Allowed to "Moonlight" After Hours?, David T. Biggs, EI1:Jan 80:41:15104
Turnover, New Workers, and Safety, Jimmie Hinze, CO4:Dec 78:409:14209
Water Resources Education Requirements of Engineering Firm, Alan H. Schultz and Richard A. Westmore, WR2:Sept 79:377:14858

Employment Opportunities
Employment Practices from a Minority's Perspective, Cordell Reed, EI3:July 79:159:14718
Minority Entrepreneurship - The ASCE Position, George J. Kral, EI3:July 80:211:15541

Emulsions
Slow Trend for Asphalt with H_2O, John J. Carroll and Donald M. Harriott, CE:Oct 79:76

End Bearing Pile Foundations
Measured Response of Pile Supported Machines, Gerald M. Diaz, GTDF:80:75

End Bearing Piles
Timber Piles in Fine-Silty Sand, Raj P. Khera, Tonis Raamot and Morris Berkowitz, GTDF:80:235
Timber Pile Study, Exisiting Structure, Frank D. Grefsheim, GTDF:80:166

Energy
America's Energy Future—A Primer and Discussion of Options, Kneeland A. Godfrey, Jr., CE:Sept 79: 104
ASCE Energy Action Program: Progress Report, CE: Jan 80:75
Conserving Energy with Low-Pressure Center Pivots, James R. Gilley and Lloyd B. Mielke, IR1:Mar 80: 49:15292
Deformation of Arches: Elastic Buckling Behavior, Frank Van der Woude and Brian F. Cousins, ST12: Dec 79:2677:15086
Department of Energy Interests in Coastal Siting of Energy Facilities, Emmet W. Turner, CZ80:Nov 80: 402
Energy Analysis for Environmental Impact Assessment, Flora C. Wang, Howard T. Odum and Patrick C. Kangas, WR2:July 80:451:15558
Energy and Costs for Agricultural Reuse of Wastewater, R. S. Sletten, Sherwood C. Reed and Eddie J. Middlebrooks, EE80:July 80:339

Energy Criteria for Water Use, Flora C. Wang, Howard T. Odum and Robert Costanza, WR1:Mar 80:185:15266
Energy Facilities and the California Coast, William R. Ahern, CZ80:Nov 80:379
Energy Facility Planning and Siting in the Coastal Zone, Donald E. Glass, CZ80:Nov 80:396
Energy Research Needs and the Civil Engineer, CE: Oct 79:58
Evaluation of Fracture Techniques in Cementitious Composites, K. Visalvanich and Antoine E. Naaman, FIC:Oct 80:65
Fishing and OCS Energy Development — Charting a Course of Compatibility, Keith G. Hay, CZ80:Nov 80:335
Force Fluctuations on Sill of Hydraulic Jump, Rangaswami Narayanan and L. S. Schizas, HY4: Apr 80:589:15368
Force on Sill of Forced Jump, Rangaswami Narayanan and L. S. Schizas, HY7:July 80:1159: 15552
Fracture Mechanics of Reinforced Concrete, Zdenek P. Bazant and Luigi Cedolin, FIC:Oct 80:28
Geo-Science Related Aspects of Geopressure Energy, Prem S. Chopra and Surendra K. Saxena, EY2:Aug 79:213:14745
Marine Kelp: Energy Resource in Coastal Zone, Ronald L. Ritschard and Kendall F. Haven, CZ80: Nov 80:967
Offshore Wind Power Potential, Paul J. Ossenbruggen, Gerard P. Pregent and L. David Meeker, EY1:Jan 79:81:14290
Plan Better Irrigation Systems With IMS Techniques, Gordon LyFord and Monte McVay, IRKA:July 80: 243
Probabilistic Earthquake Energy Spectra Equations, Polihronis-Thomas Demetriou Spanos, EM1:Feb 80:147:15204
Selected Areas of Aerospace Technical Applications to Civil Engineering, Allen F. Flanders, Chmn., TE3:May 79:223:14563
Small Scale Hydropower in the West, Michael J. McLatchy, IRKA:July 80:374
Soil-Cement for Protection of Shorelines, William G. Dinchak, CZ80:Nov 80:2203
Solar Access and Sun Rights, David C. Moore, UP1: Nov 80:11:15822
Stable Alluvial Canal Design, Howard H. Chang, HY5:May 80:873:15420
Thermal Predictions using Integral Energy Model, Dennis E. Ford and Heinz G. Stefan, HY1:Jan 80: 39:15119
U.S. Energy Future - Will We Make the Hard Decisions?, CE:Jan 80:73
U.S. Energy Production—We Must Remove These Roadblocks, CE:Dec 79:66
Water Quality, Energy, Legislation: Challenge of the 80's, Carmen F. Guarino, EE80:July 80:1
Water Resources Implications of Energy Development, Jeffrey S. Mahan and Jay D. White, EY1:Apr 80:45:15366

Energy Absorption

Fendering Requirements/Design Fender Impact Criteria, J. S. Balfour, J. C. Feben and D. L. Martin, PO80:May 80:504
Fender System Requirements at Open-Sea Berths, Bela Koman, PO80:May 80:520
Specialized Fender System Requirements and Design, Robert L. Beach and Noel B. Davis, PO80:May 80: 534

Energy Budget

Coastal Energy Development in Santa Barbara County, Kirvil Skinnarland and Mel Willis, CZ80: Nov 80:634
A Temperature Model for Small Mountain Streams, Shelley S. Ellis, Stanley L. Ponce and L. Eric Siverts, IRKB:July 80:494

Energy Conservation

Aerial Infrared Sensing Systems and Techniques, Fred A. Schmer and Darrell R. Hause, ASDC:80: 244
Aerospace Technology for Freight Pipelines, Henry Liu and Donald L. Gibson, MGC:July 80:97
Alcohol Fuel Impacts Upon Energy Conservation and Air Quality, J. Barrett Pullman, CAAA:Nov 79:341
America's Energy Future—A Primer and Discussion of Options, Kneeland A. Godfrey, Jr., CE:Sept 79: 104
Biological Drying of Sewage Sludge—A New Composting Process, F. C. Miller, S. T. McGregor, M. S. Finstein and J. Cirello, EE80:July 80:40
The CEIP: An Ohio Perspective, Michael L. Adams, CZ80:Nov 80:612
Coal Fired Reference Plants: Project Benefits, Clyde B. Tatum and D. J. Bracey, Preprint No.80-631, Oct 80, 17pp.
Codisposal of Sludge and Refuse, William F. Cosulich and Miro Dvirka, EE80:July 80:592
Comments, Tim Lynch, CAAA:Nov 79:407
A Comparison of Circular Prestressing Techniques, Including Values for Friction Over Rollers, Arthur M. James, Preprint No.80-078, Apr 80, 11pp.
Competition of Energy for Agricultural Water Use, A. Bruce Bishop and Rangesan Narayanan, IR3: Sept 79:317:14838
Conserving Energy with Low-Pressure Center Pivots, James R. Gilley and Lloyd B. Mielke, IR1:Mar 80: 49:15292
Design Today for Tomorrow, Linda L. Gerbode, PO80:May 80:186
Digester Gas Utilization Programs, Raymond R. Rimkus, John M. Ryan and Alfred J. Michuda, EE6:Dec 80:1071:15902
Energy and Costs for Agricultural Reuse of Wastewater, R. S. Sletten, Sherwood C. Reed and Eddie J. Middlebrooks, EE80:July 80:339
Energy Conservation in Activated Sludge Systems, Sal D'Angelo, H. David Stensel and J. C. Goldman, EE4:Aug 80:773:15636
Energy Conservation: Long-Overlooked Cheap Source of Energy, Eugene E. Dallaire, CE:Dec 79: 77
Energy Conservation through Arterial Improvements, Marchiz Petreanu and James J. Schuster, TE5:Sept 79:535:14847
Energy Conservation Through Improved Aerodynamics, Frank T. Buckley, Jr., MGC:July 80:160
Energy Considerations in Highway Planning and Finance, Bruce Cannon, Preprint No.80-090, Apr 80, 22pp.
Energy Recovery From Waste and Biomass—Site Specific Economic Studies, Roger C. Bales, Ira J. Wright and Lory E. Larson, EE80:July 80:582
Energy Research Needs and the Civil Engineer, CE: Oct 79:58
Energy, The Environment and the Future—Are Civil Engineers Going to Get Involved?, Charles J. Jennet, Preprint No.80-669, Oct 80, 5pp.
Energy-Water-Salinity: Upper Colorado River Basin, Marshall Flug, Wynn R. Walker and Gaylord V. Skogerboe, WR2:Sept 79:305:14844
Environmental Planning for Transportation Systems, Richard B. Howell and Celia M. Howell, MGC:July 80:208
Evaluation of Three Offshore LNG Terminal Designs for Southern California, Edgar Rust, PO80:May 80: 352
The Fabric Roof, Allen Morrison, CE:Aug 80:60
First Line of Atlanta's New Transit System Opens, CE:July 79:77
First U.S. Van Pool — Big Success, Ann E. Seltz-Petrash, CE:Nov 79:76
Future Prospects in Transportation Finance, Joseph R. Stowers and Carolyn Frank, UT79A:July 79:256
Future Prospects Re Travel Requirements and Financing, Robert A. Keith, UT79A:July 79:285
Gillette-Madison Water Project Optimal Design, William E. West, Glen Taylor and Vance G. Lee, IRKA:July 80:431
Groundwater Recharge: Economic Benefit Quantified, Lonnie D. Schardt, IRKB:July 80:129
Harrisburg Pioneering Codisposal of Refuse and Sludge, CE:Oct 79:72

Impact of Energy on Future Transportation Systems, Robert L. Maxwell, TE4:July 80:415:15562
The Impacts of the Resource Conservation and Recovery Act on Wood Fired Energy Systems, Hugh T. Carson and Dennis W. Weeter, EE80:July 80:508
Integrated Port Design and Planning Process, Martin T. Czerniak, Arthur Rubinstein and J. Ian Collins, PO80:May 80:440
Limits to Geological Fuels and Energy Options, Eric S. Cheney, Preprint No.80-099, Apr 80, 21pp.
Modeling of Reject Heated Water Use in Greenhouses, Edward A. McBean, Donald Haycock, Gary Ashley and Jack Gorrie, EY2:Oct 80:165:15732
National Transportation Policies Through the Year 2000, John E. Wild, UT79A:July 79:173
Overview of DOE Programs for Energy Efficiency in Transportation, Richard T. Alpaugh and James S. Moore, MGC:July 80:148
Pavement Recycling Catching On, Eugene E. Dallaire, CE:Nov 80:45
Port Energy Conservation, Carlton H. Joseph, PO80: May 80:89
Possible Energy Savings in Irrigation, James R. Gilley and Darrell G. Watts, IR4:Dec 77:445:13416
President's Inaugural Speech: October 24, 1979, Joseph S. Ward, EI3:July 80:165:15549
A Procedure for Evaluating Program Alternatives, Robert B. McDonald, CZ80:Nov 80:1768
Public and Private Regulation of LNG Transport, Jonathan David Aronson and William Westermeyer, CZ80:Nov 80:589
Pumping Energy Reduction by Modified Cost Analysis, Shu-Tung Chu, TN: IR2:June 80:149: 15450
Redesigning the Auto: A Key to Solving the U.S. Energy, Eugene E. Dallaire, CE:Nov 79:92
Role of Innovative Engineering in Rail Operations, Donald O. Eisele, MGC:July 80:138
Small-Scale Hydro Plants in Irrigation Systems, Calvin C. Warnick, IRKA:July 80:216
Solar Energy for Heating Homes: How Practical?, Eugene E. Dallaire, CE:Feb 80:38
State Airport Planning and Financing, Owen Miyamoto, MGC:July 80:14
Strategic Petroleum Reserves: Billion Dollar Project to Provide Energy Security for U.S., Part 1 and 2, Ann E. Seltz-Petrash, CE:Aug 80:41
Striking the Balance in Energy Project Siting, Richard A. Du Bey, Cheryl R. Koshuta and Daniel I. Steinborn, CZ80:Nov 80:2135
Technology Substitution for Air Quality Improvement, E. A. Deakin and H. W. Bruck, CAAA:Nov 79:357
Transportation Air Quality Planning — The Twin Cities Approach, Raymond W. Thron and David Braslau, CAAA:Nov 79:215
Treatment of Wastewater from Refuse-to-Energy Systems, Gordon P. Treweek, Preprint No.80-025, Apr 80, 28pp.
Underground Buildings Save Energy, CE:May 79:80
Urban Transportation Financing Today, Thomas D. Larson and William C. Underwood, UT79A:July 79:5
Urban Transportation: Outlook and Policy, Milton Pikarsky, UT79A:July 79:35
U.S. Energy Future - Will We Make the Hard Decisions?, CE:Jan 80:73
What Happens to Cities When the Gas Runs Out?, Lawrence C. Cooper, CE:Aug 79:71
The Zero-Energy House: The Bold Low-Cost Breakthrough that may Revolutionize Housing, Eugene E. Dallaire, CE:May 80:47

Energy Consumption

BPA Hydrologic Forecasting Considerations and Action During the 1976-77 Drought, William R. Gordon, C. H. Watkins and R. C. Lamb, EFHYF: Mar 79:274
Designing for Deficit Irrigation, Marshall J. English and G. S. Nuss, IRKA:July 80:312
Energy Conservation: Long-Overlooked Cheap Source of Energy, Eugene E. Dallaire, CE:Dec 79: 77
Land Data Systems for Transport Planning in Undeveloped Areas, Andrew C. Lemer and Robert W. Felsburg, SU80:June 80:129
Largest Rotating Biological Contactor Plant Also First to Remove Nitrogen, Eugene E. Dallaire, CE: Jan 79:70
Marine Kelp: Energy Resource in Coastal Zone, Ronald L. Ritschard and Kendall F. Haven, CZ80: Nov 80:967
Offshore Artificial Islands — Energy Ports of the Future?, Eugene Chesson, PO80:May 80:61
Port Energy Conservation, Carlton H. Joseph, PO80: May 80:89
Potential Coastal-Zone Impacts of Alternative Ocean Energy Systems, Volker W. Harms and Nancy Gutshall, CZ80:Nov 80:947
Small-Scale Hydro Plants in Irrigation Systems, Calvin C. Warnick, IRKA:July 80:216
U.S. Energy Production—We Must Remove These Roadblocks, CE:Dec 79:66

Energy Conversion

The Wave Pump: Conversion of Wave Energy to Current Energy, Per Moller Bruun and Gisli Viggosson, WW4:Nov 77:449:13317

Energy Dissipation

Diffraction of Waves by Shore-Connected Breakwater, Volker W. Harms, HY12:Dec 79:1501: 15075
Energy-Dissipating Bypass for Hydroelectric Powerhouse, Edmund F. Goedde, Vsevolod G. Guins and Richard P. Strumpf, HY12:Dec 79:1487: 15070
Erosion Control at Culvert Outlets, John L. Grace, Jr., Preprint No.80-639, Oct 80, 14pp.
Minimum Stream Power: Theory, Charles C.S. Song and Chih Ted Yang, HY9:Sept 80:1477:15691
Radial Hydraulic Jump, Abdelkawi M. Khalifa and John A. McCorquodale, HY9:Sept 79:1065:14825
Sand Bed Friction Factors for Oscillatory Flows, Philip Vitale, WW3:Aug 79:229:14754
Theory of Minimum Rate of Energy Dissipation, Chih Ted Yang and Charles C.S. Song, HY7:July 79:769:14677
Velocity Profiles and Minimum Stream Power, Charles C.S. Song and Chih Ted Yang, HY8:Aug 79:981:14780
Wave Dampening Due to Rubblemound Breakwaters, Michael de St.Q. Isaacson, WW4:Nov 78:391: 14178

Energy Dissipators

Perforated Plates as Hydraulic Energy Dissipators, James Paul Tullis, James J. Powers, III, Paul F. Shiers and Whitney W. Hall, HYCO:Aug 80:62

Energy Gradient

Drip Irrigation Design on Nonuniform Slopes, I-Pai Wu and Harris M. Gitlin, IR3:Sept 79:289:14829

Energy Losses

Aerial Infrared Sensing Systems and Techniques, Fred A. Schmer and Darrell R. Hause, ASDC:80: 244
Biofilm Growth and Hydraulic Performance, Basil F. Picologlou, Nicholas Zelver and William G. Characklis, HY5:May 80:733:15421
Energy Loss Surveys Using Thermal IR Technology, Lewis E. Link, Jr., ASDC:80:259
Energy Loss Surveys Using Thermal IR Technology, Lewis E. Link, Jr., AS80:Aug 80:123

Energy Methods

Blunt Crack Band Propagation in Finite Element Analysis, Zdenek P. Bazant and Luigi Cedolin, EM2:Apr 79:297:14529
Fracture Mechanics of Reinforced Concrete, Zdenek P. Bazant and Luigi Cedolin, EM6:Dec 80:1287: 15917

Side Weir in Rectangular Channel, Kittur G. Ranga Raju, Baidyanath Prasad and Sushil K. Gupta, HY5:May 79:547:14596

Energy Storage
Energy Recovery From Waste and Biomass—Site Specific Economic Studies, Roger C. Bales, Ira J. Wright and Lory E. Larson, EE80:July 80:582

Energy Transfer
Application of System Optimal Depth Concept, Donald I. Norum, Gideon Peri and William E. Hart, IR4:Dec 79:357:15094
Wave Energy Transfer to a Spring Supported Plate, Richard A. Pries and Charles R. Ortloff, Preprint No.80-072, Apr 80, 20pp.

Engineering
Administrative Computer Utilization in Engineering, Donald L. Bartlett, Preprint No.80-043, Apr 80, 19pp.
Engineering Organizations as Project Managers, Frank P. Moolin, Jr. and Frieda A. McCoy, Preprint No.80-171, Apr 80, 26pp.
Engineering, Professionalism, and Unions, Richard H. French, EI1:Jan 79:1:14323
Engineers' Professional Rights, Albert Flores, EI4: Oct 80:389:15774
An Evolutionary Approach to Integrated Engineering Based Systems, J. F. Gloudeman, Preprint No.80-159, Apr 80, 18pp.
How NFMES Brings Minorities into Engineering, Garvey E. Clarke, EI2:Apr 79:59:14478
Identification and Nature of Risks—C, Alfred C. Maevis, CRLS:Jan 79:II-35
Introductory Comments Data Base Systems, Bruce B. Schimming, CP80:June 80:635
A New Manual on Map Uses, Scales, and Accuracies, Carl B. Feldscher, SU1:Nov 80:143: 15853
A Survey of Cadd in Engineering Practice (Abstract), Richard L. Bland, CP80:June 80:15

Engineering Costs
Computerized Construction Quantity Record Keeping, Elias C. Tonias, TC2:Dec 79:291:15074

Engineering Education
ASCE Engineering Management Continuing Education Program: An Overview, R. Lawrence Whipple,, Jr., EI2:Apr 80:97:15353
Computer Applications in Geotechnical Engineering, M. S. Aggour, CP80:June 80:213
Computer Graphics as a Teaching Aid, J. T. Scardina, V. Nopratvarakorn and George R. Buchanan, CP80:June 80:430
Computer Graphics in Education: A Case Study, Michael J. O'Rourke, Robert U. Johnson and Larry J. Feeser, CP80:June 80:450
Computers in Civil Engineering Undergraduate Education, Robert John Craig, CP80:June 80:419
Construction Contract Study in Technical Education, Richard P. Maher, CO1:Mar 79:41:14446
Consulting Engineering Graduate Education, Lloyd H. Ketchum, Jr., EI4:Oct 79:197:14889
Continuing Education in Engineering—What's New?, Kneeland A. Godfrey, Jr., CE:Feb 80:68
Creating a State Professional School of Civil Engineering, Charles W. Matheny, Jr., EI4:Oct 80: 373:15772
Education in Civil Engineering: Boost Professional Orientation?, Kneeland A. Godfrey, Jr., CE:Aug 79: 64
Effective Utilization of Computer-Aided Design, Thomas H. Wenzel, CP80:June 80:401
Engineering Management Education—An Overview, Walter G. Heintzleman and Anthony M. DiGioia, Jr., EI2:Apr 80:73:15350
Engineering Management—University Extension, Alfred C. Ingersoll, EI2:Apr 80:89:15352
Engineering Management—University Programs, Tung Au, EI2:Apr 80:81:15351
Engineering Registration Trends, Frederick H. Rogers, Sr., EI4:Oct 80:397:15777
The Ethical Dimension of Professionalism, Richard H. McCuen, EI2:Apr 79:89:14513
Examinations for Registration, William J. Hanna, EI4:Oct 78:257:14076
Failures: How Engineers Learn — Or Do They?, Henry J. Degenkolb, Preprint No.80-017, Apr 80, 18pp.
Graduating Engineers: 1930/1980, Philip V. Di Vietro, CE:Oct 80:126
Important Research Needs in Wood-As A Structural Material, James R. Goodman, Chmn., ST10:Oct 79: 2069:14893
Interactive Graphics and the Uniform Bean in Engineering Education, David F. Rogers, David Chalmers and J. D. Richardson, CP80:June 80:436
An Interactive Software System for Competency and Project Oriented Civil Engineering Education, A. Fattah Chalabi, CP80:June 80:406
Is Continuing Education Worth the Effort?, Albert J. Morris, EI2:Apr 79:107:14506
Land Surveying Research Needs: The Next Decade, Roscoe B. Snedeker, SU1:Nov 79:85:14961
The Making of Minority Engineers, Lee Browne, CE: Oct 80:131
Master's Degree - A Mixed Bag, James V. Parcher, EI4:Oct 79:227:14921
Not For Computer People Only—APL In Universities, Morton D. Sinkoff, CP80:June 80:424
On Impact of Distributive Computing in Education, Senol Utku, Joseph Lestingi and Moktar Salama, Preprint No.80-061, Apr 80, 21pp.
Overview of University Computing (Abstract), David R. Schelling and W. Levine, CP80:June 80:418
The Personalized System of Instruction: Death Knell for the Lecture?, CE:Mar 79:73
Policy Making: Pluralistic Simulation Model, Jonathan W. Bulkley, TC1:Aug 80:93:15602
Practitioners in an Academic Environment, Gerald R. Seeley, EI3:July 80:205:15561
Professional Reference Program, Gerard Cunningham, EI2:Apr 80:107:15354
Relicensure Requirements and Board Re-Evaluation, S. Russell Stearns, EI1:Jan 79:15:14332
RPI's Computer Graphics Installation, Larry J. Feeser, CP80:June 80:391
Teaching Site Layout for Construction, James H. Neil, Preprint No.80-178, Apr 80, 13pp.
Top Foreign-Born Civil Engineers Speak Their Minds, Allen Morrison, CE:Oct 80:115
Undergraduate Engineering Consultants, James J. Sharp and A. John Christian, EI1:Jan 80:51:15127
Water Resources Education Requirements of Engineering Firm, Alan H. Schultz and Richard A. Westmore, WR2:Sept 79:377:14858
Who Gives a Damn?, Arthur T. Nielsen, EI2:Apr 80: 113:15323
Why Professional Schools for Engineers?, Dan H. Pletta, EI4:Oct 80:349:15747
Wilhelm Ritter: Teacher of Maillart and Ammann, David P. Billington, ST5:May 80:1103:15416
1979 ASCE Salary Survey, Oscar R. George, Chmn., EI3:July 80:275:15568

Engineering Geology
Landsat for Engineering Geology, Gene O. Johnson, Preprint No.80-103, Apr 80, 6pp.

Engineering Mechanics
Bending Analysis of Parabolic Velaroidal Shells, Hassoun A. Hadid and Paul P. Lynn, ST7:July 80: 1609:15570
Computer Graphics as a Teaching Aid, J. T. Scardina, V. Nopratvarakorn and George R. Buchanan, CP80:June 80:430
Plasticity in Soil Mechanics and Landslides, Wai F. Chen, EM3:June 80:443:15460
A Probabilistic Paradox, D. I. Blockley, TN: EM6: Dec 80:1430:15871
Tensile Strength of Concrete: Double-Punch Test, Wai F. Chen and Robert L. Yuan, ST8:Aug 80: 1673:15593

Engineering Services
Parity for Minorities in Engineering: Myth or Reality, Melvin Thompson, EI2:Apr 79:65:14485

Engineering Societies
Creating a State Professional School of Civil Engineering, Charles W. Matheny, Jr., EI4:Oct 80:373:15772
Engineering and Legal Professions: Interaction Needed, Alphonse E. Zanoni, EI1:Jan 79:21:14309
Engineering, Professionalism, and Unions, Richard H. French, EI1:Jan 79:1:14323
New Umbrella Society for Engineering is Taking Shape, Kneeland A. Godfrey, Jr., CE:May 79:57
Parity for Minorities in Engineering: Myth or Reality, Melvin Thompson, EI2:Apr 79:65:14485
Political Action—Why Are Engineers Getting Involved?, Kneeland A. Godfrey, Jr., CE:Aug 80:66
Why Professional Schools for Engineers?, Dan H. Pletta, EI4:Oct 80:349:15747

Engineers
Bridge Analysis and Rating System, Hasmukh M. Lathia, TC1:Apr 79:211:14538
Can Engineers Save the Republic?, Victor V. Veysey, EI2:Apr 80:123:15344
Elected Office For Engineers?, Norman L. Cooper, EI4:Oct 79:233:14924
Engineering Registration Trends, Frederick H. Rogers, Sr., EI4:Oct 80:397:15777
A/E Use of Computer Aids on Federal Projects, Ronald L. King, CP80:June 80:562
The Fourth Branch of Government, Murray A. Muspratt, EI2:Apr 78:129:13669
Graduating Engineers: 1930/1980, Philip V. Di Vietro, CE:Oct 80:126
Should an Engineer be Allowed to "Moonlight" After Hours?, David T. Biggs, EI1:Jan 80:41:15104
Women Engineers: Here to Stay, Ann E. Seltz-Petrash, CE:May 79:68

Engineers Joint Council
New Umbrella Society for Engineering is Taking Shape, Kneeland A. Godfrey, Jr., CE:May 79:57

Enteroviruses
Wastewater Risk Assessment, Neil J. Hutzler and William C. Boyle, EE5:Oct 80:919:15748

Entrainment
Air-Water Flow in Coarse Granular Media, Alim A. Hannoura and John A. McCorquodale, HY7:July 78:1001:13888
Freestream Turbulence Effects on Galloping, Kenny C.S. Kwok and William H. Melbourne, EM2:Apr 80:273:15356
Sensitivity of the Prych-Davis-Shirazi Model, Barry A. Benedict and John W. Preston, Jr., HYCO:Aug 80:322
Staged Multiport Diffusers, Charles W. Almquist and Keith D. Stolzenbach, HY2:Feb 80:285:15185
Two-Dimensional Bubble Plumes, David L. Wilkinson, HY2:Feb 79:139:14385
Use of Porous Dike to Reduce Entrainment and Entrapment in Power Plant Cooling Water Systems, Barry A. Ketschke, CZ80:Nov 80:649

Entrances (Fluid Flow)
Hydraulic Design of Flow Distribution Channels, Junn-Ling Chao and R. Rhodes Trussell, EE2:Apr 80:321:15317

Entropy
Entropy Constructed Probabilities, Colin B. Brown, EM4:Aug 80:633:15635
A Fuzzy Safety Measure, Colin B. Brown, EM5:Oct 79:855:14915

Environment
Water Planning and the Environment: 1776-1976, Leonard Ortolano, WR1:Mar 79:65:14413

Environmental Effects
Chesapeake Bay Development Pressures: RAMS Data Base Analysis, Russell C. Eberhart and Thomas J. Dolan, CZ80:Nov 80:532
Coastal Energy Development in Santa Barbara County, Kirvil Skinnarland and Mel Willis, CZ80:Nov 80:634
Coastal Management Planning in Anchorage, Alaska, Anthony Burns, CZ80:Nov 80:1750
Consistency Review of OCS Acitvities Off California, Irwin D. Karp, CZ80:Nov 80:2103
Department of Energy Interests in Coastal Siting of Energy Facilities, Emmet W. Turner, CZ80:Nov 80:402
Drainage Density as Index of Watershed Development, Philip B. Bedient, Wayne C. Huber and James P. Heaney, IR4:Dec 78:373:14249
Effective Sludge Disposal — A Question of Policy, Martin Lang, EE80:July 80:664
Elkhorn Slough: The Making of an Estuarine Sanctuary, Nona B. Dennis, Bruce Browning and Hal Bissell, CZ80:Nov 80:1939
Endangered Species: Compatibility with a Utility, J. Ross Wilcox, CZ80:Nov 80:179
Energy Facilities and the California Coast, William R. Ahern, CZ80:Nov 80:379
Energy From Space, Ann E. Seltz-Petrash, CE:July 79:53
Environmental Case History of an Ocean Outfall, Noel J. Williams, Richard B. Meighan, Donald D. Treadwell and George J. Murphy, CZ80:Nov 80:703
Environmental Effects of PG&E's Helms Project, William J. Tomei, Preprint No.80-133, Apr 80, 23pp.
Environmental Information From Sediments, David P. Adam, EFHYF:Mar 79:206
Fishing and OCS Energy Development — Charting a Course of Compatibility, Keith G. Hay, CZ80:Nov 80:335
Freedom and Environmental Quality, P. Walton Purdom, EI3:July 77:211:13057
Honolulu International Airport Master Plan Study, Donald Maddison, MGC:July 80:65
Location and Remediation of Abandoned Hazardous Wastes Sites, Norman H. Nosenchuck, EE80:July 80:560
Marine Kelp: Energy Resource in Coastal Zone, Ronald L. Ritschard and Kendall F. Haven, CZ80:Nov 80:967
Modeling the Cumulative Onshore Effects of Offshore Oil and Gas Development, E. T. Smith and L. G. Hecht, Jr, CZ80:Nov 80:2083
Offshore Pipeline Routing: Minimizing Environmental Effects, Ann W. Gowen and Michael J. Goetz, CZ80:Nov 80:667
Parking Lot Impact on Water Quality, Peter E. Black, IRKB:July 80:541
Perceiving the Unseen Value of Coastal Wetlands, James D. Sears, CZ80:Nov 80:484
A Planning Procedure for the East Everglades, Narendra Juneja, CZ80:Nov 80:1574
Potential Coastal-Zone Impacts of Alternative Ocean Energy Systems, Volker W. Harms and Nancy Gutshall, CZ80:Nov 80:947
Predicting Sediment Yield from Strip-Mined Land, Martin M. Fogel, Louis H. Hekman, Jr. and Lucien Duckstein, IRKB:July 80:176
Preparing for Oil Spills in the Delaware River Estuary, June Lindstedt-Siva, CZ80:Nov :294
Resolution of Shoreline Disputes, Peter L. Buck and Jeffrey A. Layton, CZ80:Nov 80:1058
Session VIII—Environmental Applications, Michael B. Sonnen, EFHYF:Mar 79:430
Summary of Panel Discussion on Testing and Prediction Methods, Leonard Krazynski, V. Escario, D. G. Fredlund, R. L. Lytton, John Holland, R. G. McKeen, Peter Mitchell and A. A.B. Williams, SLS:June 80:683
Synfuel Facilities: Environmental Control Strategies, Warren H. Chesner and Howard Wiseman, EE80:July 80:504
Thermal Discharge Investigation, Yung Y. Shen and Richard S. McGinnis, HYCO:Aug 80:13

Toxic Chemicals in New Jersey's Environment: Cancer Link?, Eugene E. Dallaire, CE:Sept 79:74
Unconfined Grazing and Bacterial Water Pollution—A Review, Everett P. Singer and Gerald F. Gifford, IRKB:July 80:578

Environmental Engineering
Desk Calculator Model for Wastewater Planning, Donald T. Lauria, EE1:Feb 79:113:14390
Environmental Engineering Research Needs, CE:Oct 79:63
Environmental Models for Screening Land-Use Plans, Michael H. Shapiro and Peter R. Rogers, UP2:Nov 79:151:14949
Organics in Water—An Engineering Challenge, Perry L. McCarty, EE1:Feb 80:1:15180
State of the Journal, Otis J. Sproul, Chmn., EE6:Dec 80:1013:15930
Statistical Reliability of Ambient Noise Surveys, Daniel A. Driscoll and William J. Webster, EE80: July 80:399
Waikato River Pollutant Flushing Rates, J. C. Rutherford, M. E.U. Taylor and J. D. Davies, EE6: Dec 80:1131:15939
Weighting of Factors in Environmental Evluation, Naojiro Aoshima and Shogo Kawakami, UP2:Nov 79:119:14952

Environmental Factors
Air Pollutants from Sewage Sludge Incineration, Thomas T. Shen, EE1:Feb 79:61:14370
Allocation of Risks—E, Woodrow W. Wilson, CRLS: Jan 79:II-73
Alternative Evaluation of Power Plant Sites, Asok K. Motayed, EY2:Oct 80:229:15752
Ames and the Environment, Robert A. Olexsey, Preprint No.80-151, Apr 80, 20pp.
Behavior of Expansive Soils in Western Canada, J. J. Hamilton, SLS:June 80:815
Bottom Supported Terminal — Dravo Preload Concept, D. S. Hill, PO80:May 80:316
Broad Area Searches for Hazardous Waste Disposal, Allen W. Hatheway, Pickett T. Simpson and John L. Splendore, EE80:July 80:329
Chesapeake Bay Development Pressures: RAMS Data Base Analysis, Russell C. Eberhart and Thomas J. Dolan, CZ80:Nov 80:532
Coal Mine Reclamation with Native Plants, Lee E. Eddleman, IRKB:July 80:80
Coastal Energy Development in Santa Barbara County, Kirvil Skinnarland and Mel Willis, CZ80: Nov 80:634
Control of Trihalomethanes Using Powdered Carbon, Mark C. Anderson, R. C. Butler, B. H. Kornegay and W. D. Pfoutz, EE80:July 80:378
Coral Reef Protection During Beach Restoration in Florida, Richard Spadoni and Arthur V. Strock, CZ80:Nov 80:152
Development of a North Sea Oil Terminal, Iain M. Robertson, CZ80:Nov 80:2066
Ecological Characterizations—An Evaluation Tool, Jay F. Watson, CZ80:Nov 80:509
Effective Sludge Disposal — A Question of Policy, Martin Lang, EE80:July 80:664
Effects of Dam Construction and Channelization on Deltaic Wetlands, Arthur R. Benton, Jr., ASDC:80: 183
Elkhorn Slough: The Making of an Estuarine Sanctuary, Nona B. Dennis, Bruce Browning and Hal Bissell, CZ80:Nov 80:1939
Endangered Species: Compatibility with a Utility, J. Ross Wilcox, CZ80:Nov 80:179
Energy From Space, Ann E. Seltz-Petrash, CE:July 79:53
Energy, The Environment and the Future—Are Civil Engineers Going to Get Involved?, Charles J. Jennet, Preprint No.80-669, Oct 80, 5pp.
An Engineering Company's Role in the Environmental Aspects of Surface Mining, William W. Schivley, Preprint No.80-022, Apr 80, 6pp.
Entrenchment of Sewage Sludge—a Disposal-Use Alternative, L. J. Sikora and D. Colacicco, CE:Apr 80:80
Environmental Case History of an Ocean Outfall, Noel J. Williams, Richard B. Meighan, Donald D. Treadwell and George J. Murphy, CZ80:Nov 80: 703
Environmental Considerations in Highway Planning, John J. Meersman and Leonard Ortolano, TE4:July 80:15515
Environmental Data Collection Via the Global Meteorological Satellite System for Water Management and Control, Warren L. Sharp, ASDC:80:316
Environmental Information From Sediments, David P. Adam, EFHYF:Mar 79:206
An Environmentally Acceptable Coal Port, Paul Soros and Mohammed Osman, PO80:May 80:11
Environmental Optimization of Power Lines, Spyros Economides and Manijeh Sharifi, EE4:Aug 78:675: 13951
Environmental Planning for Transportation Systems, Richard B. Howell and Celia M. Howell, MGC:July 80:208
An Environmental Study to Assess The Effect of Drilling Fluids on Water Quality Parameters During High Rate, High Volume Discharge to the Ocean., R. C. Ayers, Jr., T. C. Sauer, Jr., D. O. Stuebner and R. P. Meek, CZ80:Nov 80:1730
EPA Launches Program to Control Hazardous Wastes, Eugene E. Dallaire, CE:Dec 78:39
Evaluation of Three Offshore LNG Terminal Designs for Southern California, Edgar Rust, PO80:May 80: 352
The Evolution of Mitigation in a Highway System, Rodney Edwin Emmer, CZ80:Nov 80:1119
Floodplain Management: New Federal Groundrules, Timothy E. Maywalt, CZ80:Nov 80:1200
A Geographic Information System for a Rural County, W. Kent Crowder, SU80:June 80:74
Geomorphic Indices of Hydrologic Characteristics, R. B. White and Richard H. Hawkins, IRKB:July 80: 54
Groundwater Response during Runoff Events, Michael G. Sklash and Robert N. Farvolden, IRKB: July 80:743
High Speed Rail to Barge Coal Transfer Terminal, Richard H. Schmitz, Andrew Benko and Richard Rogers, PO80:May 80:148
Honolulu International Airport Master Plan Study, Donald Maddison, MGC:July 80:65
Improved Hydrologic Forecasting—Why and How, William P. Henry, Chmn., EFHYF:Mar 79
Influences on Plans for the Santa Ana River Channel Mouth, Fala Powers, CZ80:Nov 80:1173
LNG/LPG Terminal Safety, John J. Closner, Henry J. Kuss, Jerry L. Lott and J. D. Porricelli, PO80: May 80:469
LOOP: Delivering Oil Where It's Needed, William B. Read, PO80:May 80:163
Managing Barrier Islands: Role of Local Government, Kent S. Butler, Kathryn N. Nichols and Ray Quay, CZ80:Nov 80:2036
Marine Fender Specifications, Robert A. Young, PO80:May 80:547
Michigan's System for Improved Highway Safety, Donald E. Orne, HW80:Mar 80:19
Mode Alternatives for Serving Rail Freight Users, Benjamin S. Zodikoff, MGC:July 80:129
Modeling Effects of Environmental Stresses due to Industrial Wastes on Gas Production by Landfill Sediments, S. Roychowdhury, L. Y. Young, D. Cox, J. Powers, J. Sharkey and M. Levandowsky, EE80:July 80:75
Multiattribute Utility Theory and Environmental Decisions, John P. Collins and Eugene A. Glysson, EE4:Aug 80:815:15648
New Tools for Resolving Conflicts in Port Planning, Edward J. Linky and Bruce H. Hoff, CZ80:Nov 80: 881
Nonpoint Source Loads and Impacts to a Water Supply Reservoir, Charles J. Newell and Philip B. Bedient, EE80:July 80:364
Offshore Airport Environmental Impacts, Gordon A. Chapman, MGC:July 80:224
Offshore Artificial Islands — Energy Ports of the Future?, Eugene Chesson, PO80:May 80:61

Offshore Pipeline Routing: Minimizing Environmental Effects, Ann W. Gowen and Michael J. Goetz, CZ80:Nov 80:667
The Pactex Project: Any Lessons Learned?, Richard M. Donaldson and F. Harlan Flint, Jr., CZ80:Nov 80:365
Planning Implications of Outer Ring Road, Robin T. Underwood, UP1:Nov 80:19:15828
A Planning Procedure for the East Everglades, Narendra Juneja, CZ80:Nov 80:1574
Policy Issues of Importance to Offshore Development, William S. Gaither, PO80:May 80:1
Pollution Externalities—Who Pays?, Michael W. Christensen, CZ80:Nov 80:320
Power Line Stresses Environmental Concern, Nelson W. Plummer, CE:Jan 80:86
Preparing for Oil Spills in the Delaware River Estuary, June Lindstedt-Siva, CZ80:Nov :294
Problems Facing Alaska Outer Continental Shelf Resource Development, Robert J. Brock, Raymond R. Emerson and Gordon M. Euler, CZ80:Nov 80: 1112
The Regulation of Mine Waste Disposal, Bruce C. Vandre, IRKB:July 80:898
Remarks of Dave Stockman, Martin Smith, CAAA: Nov 79:400
Resolution of Shoreline Disputes, Peter L. Buck and Jeffrey A. Layton, CZ80:Nov 80:1058
The Role of Deepwater Ports: The Texas Experience, C. Michael Walton, PO80:May 80:73
Saving the U.S's Rapidly Dwindling Farmland and Other Priceless Natural Resources, Eugene E. Dallaire, CE:Sept 80:81
Science and Plans: California's Wetlands, Christopher P. Onuf, CZ80:Nov 80:1858
Septic Tank Systems — Effects on Evironmental Quality, Thiruvenkatachari Viraraghavan, Preprint No.80-601, Oct 80, 12pp.
Session VIII—Environmental Applications, Michael B. Sonnen, EFHYF:Mar 79:430
Shore Protection Decisions for Sandy Hook, Donald A. Falvey and William J. Funge, CZ80:Nov 80: 2322
Shuttle Diplomacy and the Other Side of Coastal Management, Louis C. Burney, CZ80:Nov 80:1002
Small Scale Hydropower in the West, Michael J. McLatchy, IRKA:July 80:374
Special Address—Conference Overview, Leonard Krazynski, SLS:June 80:671
Statistical Reliability of Ambient Noise Surveys, Daniel A. Driscoll and William J. Webster, EE80: July 80:399
Summary Session—B, Henry J. Jacoby, CRLS:Jan 79: II-178
Tidal Protection Measures — Social and Legal Problems, Hyman J. Fine, HYUS:June 80:44
Urban Waterfront Revitalization Employing Visual Preference as a Strategy for Managing Visual Resources and Facilitating Public Participation, Thomas R. Hudspeth, CZ80:Nov 80:33
Virginia Ports Workshop, Carvel H. Blair, PO80:May 80:248
Washington's Automated Coastal Data Base: The Coastal Zone Atlas, Sue Wenke and Marc Horton, CZ80:Nov 80:2291
Waterfront Master Plan for Kenosha, Wisconsin, J. William Allen, Thomas W. Wood and Ian J. McAlister, CZ80:Nov 80:267
Water Pipeline Location, S. J. O'Keefe, ASDC:80: 131
Water Quality Management—Have We Lost Sight of the Objective?, Gary R. Minton, WR1:Mar 80:131: 15242
Water Use For Electric Power Generation, David M. Snyder, K. T. Mao and Robert D. Glynn, Jr., EFHYF:Mar 79:400
Wetlands for Tertiary Treatment of Wastewater, Walter R. Fritz and Steven C. Helle, Preprint No.80-594, Oct 80, 9pp.
Will the World Face Up to Its Ever-Worsening Environmental Problems?, Eugene E. Dallaire, CE: Sept 80:67
Working Within the Environmental Regulatory Process, Michael L. Barningham and Steven A. Ott, TE3:May 80:309:15423
1977 Clean Air Act: Cheapest Way to Clean Up the Environment?, Eugene E. Dallaire, CE:Mar 79:85

Environmental Impact Statements

Cost of Environmental Impact Statements, Enno Koehn, Bradley Fallon, Fred Seling and Randall Young, CO4:Dec 79:331:15092
Cumulative Impact Assessment-California Coastal Law, William Milan Boyd, CZ80:Nov 80:1321
Dispersion Modeling in Time and Two Dimensions, Jonathan F. Henry and Edward G. Foree, EE6:Dec 79:1131:15054
Effects of Dam Construction and Channelization on Deltaic Wetlands, Arthur R. Benton, Jr., ASDC:80: 183
Energy Analysis for Environmental Impact Assessment, Flora C. Wang, Howard T. Odum and Patrick C. Kangas, WR2:July 80:451:15558
Energy Impact Analysis in Water Project Planning, Robert M. Hagan and Edwin B. Roberts, WR1:Mar 80:289:15271
Energy Research Needs and the Civil Engineer, CE: Oct 79:58
An Environmental Study to Assess The Effect of Drilling Fluids on Water Quality Parameters During High Rate, High Volume Discharge to the Ocean., R. C. Ayers, Jr., T. C. Sauer, Jr., D. O. Stuebner and R. P. Meek, CZ80:Nov 80:1730
Feasibility of Five Low-Head Hydro Projects, James V. Williamson and Anthony Wayne Pietz, EY1:Apr 80:57:15327
Formulating Alternatives for Environmental Studies, David R. Boone, EE3:June 80:527:15486
Hydrology and Environmental Assessments, Arliss D. Ray, William P. Wenstorm and Dan D. Taylor, EFHYF:Mar 79:387
The Impact of EIS Requirements of Hawaii's Transportation Programs, Ryokichi Higashionna, MGC:July 80:204
Impact of Potential Electric Vehicle Market Penetrations on Air Quality, Martin J. Bernard, III, CAAA:Nov 79:329
Marine Sanctuaries, A Controversial Concept, John K. Cassell, CZ80:Nov 80:1959
Mini-Format Remote Sensing for Civil Engineering, Olin W. Mintzer and Dennis Spragg, TE6:Nov 78: 847:14154
North Carolina Oil Refineries—Who Makes Decision?, Anne Taylor, CZ80:Nov 80:1045
Offshore Airport Environmental Impacts, Gordon A. Chapman, MGC:July 80:224
Peer Accountability for Rationale of Impact Statements, David A. Bella, EI3:July 78:203:13906
Planning for Transportation Control Measures in Washington, Philadelphia, Baltimore and Pittsburgh, Philip Shapiro, David Dunlap, John Claffey and Bruce Haultman, CAAA:Nov 79:43
President's Inaugural Speech: October 24, 1979, Joseph S. Ward, EI3:July 80:165:15549
Public Participation in Environmental Statements, Steven M. Fusco, WR1:Mar 80:123:15264
Quantified Water Related Impact Analysis, Robert E. Riggins and John T. Bandy, Preprint No.80-579, Oct 80, 4pp.
Remarks of Dave Stockman, Martin Smith, CAAA: Nov 79:400
Session VIII—Environmental Applications, Michael B. Sonnen, EFHYF:Mar 79:430
A Strategy for State Participation in Outer Continental Shelf Exploration Decisions, Marie Murphy, CZ80:Nov 80:1078
Synfuel Facilities: Environmental Control Strategies, Warren H. Chesner and Howard Wiseman, EE80: July 80:504
A Systematic Approach to Landfill Evaluation, D. Randy Junkins and Michael H. Corbin, EE80:July 80:50
Use of Physical Data for Estimating Sediment Yield, Ronnie D. Clark, IRKB:July 80:836

Visual Impacts of Port Development in Seattle, Iain M. Robertson and William G.E. Blair, CZ80:Nov 80:917

Environmental Planning
Data Base Use for Regional Environmental Planning, Lyman F. Wible, TE5:Sept 80:559:15677
Geology of Delaware Barriers: Evironmental Planning, Kathleen Drew and John C. Kraft, CZ80: Nov 80:830
Offshore Airport Environmental Impacts, Gordon A. Chapman, MGC:July 80:224

Environmental Quality
Energy Facilities and the California Coast, William R. Ahern, CZ80:Nov 80:379
Freedom and Environmental Quality, P. Walton Purdom, EI3:July 77:211:13057
Port Valdez Environmental Studies: 1976-1978, Joseph M. Colonell, EE5:Oct 80:907:15738
Power Line Stresses Environmental Concern, Nelson W. Plummer, CE:Jan 80:86
1977 Clean Air Act: Cheapest Way to Clean Up the Environment?, Eugene E. Dallaire, CE:Mar 79:85

Environmental Quality Regulations
Multiattribute Utility Theory and Environmental Decisions, John P. Collins and Eugene A. Glysson, EE4:Aug 80:815:15648
Multiple Jets in Shallow Flowing Receiving Waters, A. David Parr and William W. Sayre, HY11:Nov 79:1357:14991

Environmental Research
Interdisciplinary Research and Environmental Management, David A. Bella and Kenneth J. Williamson, EI3:July 78:193:13860
Sensitivity Ranking of Energy Port Shorelines, Miles O. Hayes, Erich R. Gundlach and Charles D. Getter, PO80:May 80:697

Environmental Surveys
Oil Terminal Relocation at Long Beach, California, Charles F. Connors and Michael G. Burke, PO80: May 80:172

Ephemeral Streams
Scour Velocities in Ephemeral Channels, William C. Hughes, HY9:Sept 80:1435:15701

Epoxy Coatings
Tarbela Dam—Problems Solved by Novel Concretes, Paul C. Chao, CE:Dec 80:58

Epoxy Compounds
Epoxy Repair of Timber — Paradox or Panacea?, R. Richard Avent, Preprint No.80-560, Oct 80, 14pp.

Epoxy Resins
Banding for Structural Repair at Timber Connectors, R. Richard Avent, Leroy Z. Emkin and Paul H. Sanders, ST1:Jan 80:87:15126
Cut Slope Stabilization Using Rock Bolts, Bruce M. Camlin, Gerald L. Branthoover and James W. Richards, TE1:Jan 79:31:14292
Imperfectly Bonded Unsymmetric Laminated Beam, K. M. Rao and B. G. Ghosh, EM4:Aug 80:685: 15623
Temperature Effects on Epoxy Adhesives, Joseph M. Plecnik, Boris Bresler, James D. Cunningham and Robert Iding, ST1:Jan 80:99:15141
Wood Arch Relamination by Epoxy Grouting, Ronald F. Silva, Preprint No.80-531, Oct 80, 14pp.

Equalizing Reservoirs
Analysis and Design of Equalization Facilities, Gilles G. Patry, EE80:July 80:183

Equations of Motion
Minimum Stream Power: Theory, Charles C.S. Song and Chih Ted Yang, HY9:Sept 80:1477:15691

Equilibrium
Extreme-Value Problems of Limiting Equilibrium, Michael Garber and Rafael Baker, GT10:Oct 79: 1155:14901
Simplified Passive Earth Pressure Analysis, Prabir K. Basudhar and Madhira R. Madhav, TN: GT4:Apr 80:470:15304

Equilibrium Equations
Analysis of Partially Uplifted Base Mats, Jgi-Jiang Shiau, EY1:Jan 79:9:14297

Equilibrium Methods
Geometric Optimization Using Simple Code Representation, William R. Spillers and George E. Kountouris, ST5:May 80:959:15396
Inelasticity of Reinforced Concrete and Structural Standards, M. Z. Cohn, ST11:Nov 79:2221:14985
Plastic-Limit Equilibrium States in Soil Media, Jean-Herve Prevost and Beverly E. Hjorth, Preprint No.80-574, Oct 80, 14pp.

Equipment
Current Equipment Practices of Utility Contractors, Jimmie Hinze and W. Bradford Ashton, CO3:Sept 79:225:14816
Dynamic Analysis of Equipment-Structure Systems, Jerome L. Sackman and Armen Der Kiureghian, EM81:Jan 81:731
A Rectilinear Force Generator For Full Scale Vibration Testing, J. I. Craig and F. D. Lewis, EM81:Jan 81:102
Transient Analysis of Light Equipment in Structures, Jerome L. Sackman and J. M. Kelly, EM81:Jan 81: 723

Equivalence
Equivalent Linear SDF Response to Earthquakes, Visit Tansirikongkol and David A. Pecknold, ST12: Dec 79:2529:15073

Erosion
Areawide Soil Loss Predictions Using CIR Airphotos, Ken M. Morgan and Randolph Nalepa, AS80:Aug 80:24
Bedform Spacing and Flow Resistance, Timothy R.H. Davies, HY3:Mar 80:423:15258
Best Management Practices for Forestry Activities, Richard J. McClimans, IRKB:July 80:694
Computer Mapping in a Catchment Land Use Study, Kerry Michael Rosenthal, ASDC:80:224
Contour Furrowing as a Range Management Practice, Earl L. Neff and J. Ross Wight, IRKB:July 80:827
Coral Reef Protection During Beach Restoration in Florida, Richard Spadoni and Arthur V. Strock, CZ80:Nov 80:152
Cracking, Leakage, and Erosion of Earth Dam Materials, Erik I. Hjeldnes and Bhagwat V.K. Lavania, GT2:Feb 80:117:15220
Design for Erosion Loss Studies on Disturbed Lands, W. Russell Hamon and James V. Bonta, IRKB:July 80:27
Downstream Effects of Stormwater Management Basins, Richard H. McCuen, HY11:Nov 79:1343: 14977
Dune Erosion and Recovery on a Northern Barrier, John W. Armon, CZ80:Nov 80:1233
Dynamic Mathematical Modeling of Rill Erosion, Richard A. Rohlf and Michael E. Meadows, IRKB: July 80:13
Dynamic Model for Channel Bed Erosion, Donald A. Drew, HY6:June 79:721:14634
Effect of Sediment on Advance Rates and Intake Rates, C. Dean Yonts, Walter L. Trimmer, Robert J. Edling and John Borrelli, IRKA:July 80:429
Effects of Subsidence on Stream Hydraulics, Christopher B. Amandes, HYUS:June 80:414
Erosion and Sediment Yield Models—An Overview, Walter G. Knisel, Jr., IRKB:July 80:141
Erosion by Circular Wall Jets in Cross Flow, Nallamuthu Rajaratnam, HY11:Nov 80:1867:15842
Erosion Modeling Approaches for Construction Sites, Richard C. Warner and Benjamin C. Dysart, III, IRKB:July 80:465

Erosivity Values for Individual Design Storms, Keith R. Cooley, IR2:June 80:135:15462
Estimating Erosion and Sediment Yield from Rangeland, Kenneth G. Renard, IRKB:July 80:164
Estimating Sediment Yield from Cultivated Fields, George R. Foster, Leonard J. Lane and Walter G. Knisel, Jr., IRKB:July 80:151
Evaluating Silvicultural Impacts on Water Resources, Gordon Snyder, IRKB:July 80:682
Evaluation of Alternative Stormwater Detention Policies, Gregory E. Kamedulski and Richard H. McCuen, WR2:Sept 79:171:14806
Flood Management for Small Urban Streams, William Whipple, Jr., WR2:Nov 77:315:13370
Fluid Dynamic Lift on a Bed Particle, Timothy R.H. Davies and Mohamed F.A. Samad, HY8:Aug 78: 1171:13976
Gabions: Economical, Environmentally Compatible Erosion Control, Max A. Burroughs, CE:Jan 79:58
Hazard Mitigation on Barrier Island and Beaches, Dunesh C. Sharma, CZ80:Nov 80:1450
High Altitude Photos for Inactive Mines, Jan P. Berger and Warren R. Philipson, SU1:Nov 80:27: 15815
Hurricane Impact at Dauphin Island, Alabama, Shea Penland, Dah Nummedal and William E. Schramm, CZ80:Nov 80:1425
Hydrologic Effects of a Severe Forest Fire, J. D. Cheng, IRKB:July 80:240
Impacts of Water Development and Coastal Engineering on Barrier Island Erosion Rates, Arthur R. Benton, Jr., ASDC:80:191
Knickpoint Migration due to Baselevel Lowering, Ze'ev B. Begin, David F. Meyer and Stanley A. Schumm, WW3:Aug 80:369:15651
Laboratory Measurement of Sediment by Turbidity, Peter R.B. Ward and Remigio Chikwanha, HY6: June 80:1041:15470
Land Imprinting for Better Watershed Management, Robert M. Dixon and John R. Simanton, IRKB: July 80:809
Measurements of Bed Load in Oscillatory Flow, John F.A. Sleath, WW3:Aug 78:291:13960
Modeling Alluvial Channel Bed Transients, Victor Miguel Ponce, Jesus Lopez Garcia and Daryl B. Simons, HY3:Mar 79:245:14456
Modeling Channel Processes with Changing Land Use, Leonard J. Lane and George R. Foster, IRKB: July 80:200
Modeling Rill Density, Ruh-Ming Li, Victor Miguel Ponce and Daryl B. Simons, TN: IR1:Mar 80:63: 15230
New Coast Guard Icebreakers for the Fourth Coast, Alan S. Gracewski, CZ80:Nov 80:624
Nonpoint Pollution from Agricultural Watersheds, James A. Ayars, John C. Inman and Gwendolyn McClung, IRKB:July 80:974
North City West Drainage Investigation, James S. Jenks, Thomas C. MacDonald and Robert B. Ebert, HYUS:June 80:405
Perforated Plates as Hydraulic Energy Dissipators, James Paul Tullis, James J. Powers, III, Paul F. Shiers and Whitney W. Hall, HYCO:Aug 80:62
Perspectives on Erosion: Barrier Island Management, Ann C. Baker, CZ80:Nov 80:1
Phosphate Mine Dump Stability and Revegetation, Eugene E. Farmer and Bland Z. Richardson, IRKB: July 80:888
Predicting Sand Deposition at Porous Fences, Christopher J. Phillips and Brian B. Willetts, WW1: Feb 79:15:14379
Predicting Sediment Yield from Strip-Mined Land, Martin M. Fogel, Louis H. Hekman, Jr. and Lucien Duckstein, IRKB:July 80:176
Predicting the Spatial Variation in Erosion, William O. Rasmussen, John L. Thames and Peter F. Ffolliott, IRKB:July 80:781
Reducing Salinity of Surface Runoff from Rangeland, R. Gordon Bentley, Eric B. Janes and Keith O. Eggleston, IRKB:July 80:69
Riparian Response to Certain Grazing Management, John C. Buckhouse, IRKB:July 80:573
Riverbed Improves over Time: South Fork Salmon, Walter F. Megahan, William S. Platts and Bert Kulesza, IRKB:July 80:380
Rockfill Linings for Channels, David Stephenson, IRKB:July 80:643
The Role of the Corps in Port Development, Douglas L. Haller, PO80:May 80:726
Sand Motion Initiation by Waves: Two Asymptotes, Robert Hallermeier, WW3:Aug 80:299:15603
Satelite Imagery and Shoreline Erosion Prediction, Charles W. Welby, AS80:Aug 80:78
Scour Velocities in Ephemeral Channels, William C. Hughes, HY9:Sept 80:1435:15701
Sea Cliff Erosion in Southern California, Louis J. Lee, CZ80:Nov 80:1919
Sedimentation Control During Site Development, Michael L. Jones and Clyde B. Tatum, CO1:Mar 80:17:15236
Sediment from a Small Summer Grazed Watershed, David H. Fortier, Myron Molnau and Keith E. Saxton, IRKB:July 80:790
Session IV—Non-Meteorologic Data, William R. Boggess, EFHYF:Mar 79:422
Snow-Erosion Relationships on Mine Waste Dumps, Myron Molnau and Edward Chacho, IRKB:July 80: 877
South Fork Salmon River—Future Management, Gene F. Cole and Walter F. Megahan, IRKB:July 80:396
South Fork Trinity River Watershed Study, Ralph G. Scott, Jr., Koll Y. Buer and Stephen M. James, IRKB:July 80:406
Stormwater and Lake Quality Management—Two Examples, Gregory E. Kamedulski and Richard F. Thomas, HYUS:June 80:303
A Strategy for Financing Coastal Erosion Control, Waldon R. Kerns and Janet Scheid, CZ80:Nov 80: 19
Submerged Horizontal Jet over Erodible Bed, S. S. Chatterjee and S. N. Ghosh, HY11:Nov 80:1765: 15820
Tarbela Dam—Problems Solved by Novel Concretes, Paul C. Chao, CE:Dec 80:58
Unpredicted Rapid Erosion, Tybee Island, Georgia, Frank H. Posey, Jr. and F. Wade Seyle, Jr., CZ80: Nov 80:1869
Watershed Parameters as Influenced by Grazing, W. H. Blackburn, R. W. Knight, M. K. Wood and L. B. Merrill, IRKB:July 80:552
X-Ray Analysis and Suspended Sediment Source Area, Carlton S. Yee and Annette Parsons, IRKB: July 80:442

Erosion Control

Coastal Erosion Management in Auatralia, David M. Chapman, CZ80:Nov 80:2218
Combined Vegetative-Structural Slope Stabilization, Donald H. Gray, Andrew T. Leiser and Charles A. White, CE:Jan 80:82
Contour Furrowing as a Range Management Practice, Earl L. Neff and J. Ross Wight, IRKB:July 80:827
Dade County Beach Erosion Control and Hurricane Protection Project, James W. R. Adams, Preprint No.80-600, Oct 80, 11pp.
Design for Erosion Loss Studies on Disturbed Lands, W. Russell Hamon and James V. Bonta, IRKB:July 80:27
Effect of Sediment on Advance Rates and Intake Rates, C. Dean Yonts, Walter L. Trimmer, Robert J. Edling and John Borrelli, IRKA:July 80:429
Environmental Problems and Products, Philip V. DiVietro, CE:Sept 79:94
Erosion Control at Culvert Outlets, John L. Grace, Jr., Preprint No.80-639, Oct 80, 14pp.
Erosion Modeling Approaches for Construction Sites, Richard C. Warner and Benjamin C. Dysart, III, IRKB:July 80:465
Gabions: Economical, Environmentally Compatible Erosion Control, Max A. Burroughs, CE:Jan 79:58
Hazard Mitigation on Barrier Island and Beaches, Dunesh C. Sharma, CZ80:Nov 80:1450
Phosphate Mine Dump Stability and Revegetation, Eugene E. Farmer and Bland Z. Richardson, IRKB: July 80:888

Predicting Sand Deposition at Porous Fences, Christopher J. Phillips and Brian B. Willetts, WW1: Feb 79:15:14379
Product Case Histories: What Stands Out?, Philip V. Di Vietro, CE:Aug 79:76
Satelite Imagery and Shoreline Erosion Prediction, Charles W. Welby, AS80:Aug 80:78
Sediment from a Small Summer Grazed Watershed, David H. Fortier, Myron Molnau and Keith E. Saxton, IRKB:July 80:790
Soil-Cement for Protection of Shorelines, William G. Dinchak, CZ80:Nov 80:2203
South Fork Trinity River Watershed Study, Ralph G. Scott, Jr., Koll Y. Buer and Stephen M. James, IRKB:July 80:406
A Strategy for Financing Coastal Erosion Control, Waldon R. Kerns and Janet Scheid, CZ80:Nov 80: 19
Sunset Cliffs Stabilization San Diego, California, Louis J. Lee and Walter Crampton, CZ80:Nov 80: 2271
Tidal Inlet Effects on Barrier Island Management, Duncan M. FitzGerald and Miles O. Hayes, CZ80: Nov 80:2355

Erosion Control by Vegetation
Combined Vegetative-Structural Slope Stabilization, Donald H. Gray, Andrew T. Leiser and Charles A. White, CE:Jan 80:82
Universal Soil Loss Equation and Rangelands, W. H. Blackburn, IRKB:July 80:588

Error Functions
Dispersion Modeling in Time and Two Dimensions, Jonathan F. Henry and Edward G. Foree, EE6:Dec 79:1131:15054
Problems in Operational Hydrologic Forecasting, Jack F. Hannaford and Roderick L. Hall, EFHYF: Mar 79:47

Errors
Accuracy Assessment for Finite Element Stress Analysis, Ergin Citipitioglu, CP80:June 80:246
Forecast Error and Operational Application of Water Supply Forecasts, Jack F. Hannaford, Roderick L. Hall and A. Jean Brown, Preprint No.80-071, Apr 80, 21pp.
Models of Human Error in Structural Reliability, Niels C. Lind, Preprint No.80-082, Apr 80, 20pp.
Monitoring Large Structures by Precise Survey, Kenneth D. Robertson, ASDC:80:277
Salinity Assessment at Kerang, W. Trewhella, ASDC: 80:206

Esthetics
Aesthetic Development of California's Bridges, Arthur L. Elliott, Preprint No.80-004, Apr 80, 22pp.
Bridge Appearance, Colin O'Connor, Michael D. Burgess, Michael J. Egan and John L. Olsen, ST1: Jan 80:331:15107
Bridges as an Expression of Regional Aesthetics, David P. Billington, Preprint No.80-032, Apr 80, 21pp.
Esthetic Impact of Boston Central Artery Project on Urban Environment, Francis R. Sholock, UP1:Jan 79:35:14318
Esthetics in Oregon Bridges — McCullough to Date, Louis F. Pierce, Preprint No.80-026, Apr 80, 20pp.
Flood Management for Small Urban Streams, William Whipple, Jr., WR2:Nov 77:315:13370
History and Esthetics in Suspension Bridges, David P. Billington, ST8:Aug 77:1655:13143
Measuring Preferences for Natural Landscapes, John A. Dearinger, UP1:Jan 79:63:14308
Residential Site Planning and Perceived Densities, Peter G. Flachsbart, UP2:Nov 79:103:14948
U.S. Bridges and the Bias Toward Mediocrity, Rowland Richards, Jr., Preprint No.80-100, Apr 80, 17pp.

Estimates
Adaptive Finite Element Procedures with A-Posteriori Estimates, Ivo Babuska, Preprint No.80-663, Oct 80, 4pp.
Computer-Aided Preliminary Design, William H. Mooseker and Gerard Dixon, TC1:Apr 79:75:14483
Computerized Construction Quantity Record Keeping, Elias C. Tonias, TC2:Dec 79:291:15074
Construction Cost Estimating in the Design Process, George S. Birrell, CO4:Dec 80:551:15880
Construction/Engineering Management: A Comparison, Steven S. Pinnell, EI4:Oct 80:405: 15779
Cost Optimization of Buildings, Alan D. Russell and Khalid T. Choudhary, ST1:Jan 80:283:15125
Criteria for the Selection of Construction Equipment, Marvin Gates and Amerigo Scarpa, CO2:June 80: 207:15507
Estimating Masonry Wall and Column Costs, Clayford T. Grimm, CO4:Dec 77:627:13413

Estimating
Adaptive Finite Element Procedures with A-Posteriori Estimates, Ivo Babuska, Preprint No.80-663, Oct 80, 4pp.
An Interactive Construction Control System for Project Planning and Estimating, A. Fattah Chalabi, Thomas W. Staehr and Rafael Lai, CP80:June 80: 140
Means Computerized Data Base and Estimating System, Robert S. Godfrey, Preprint No.80-550, Oct 80, 14pp.

Estimation
Dynamic Estimation of Settling Basin Performance, Sadataka Shiba, Yoriteru Inoue and Yasuyo Ueda, EE6:Dec 79:1113:15045
Parameter Estimation of Streeter-Phelps Models, Sergio Rinaldi, Paolo Romano and Rodolfo Soncini-Sessa, EE1:Feb 79:75:14377
River Nutrient and Chemical Transport Estimation, Frank H. Verhoff, Stephen M. Yaksich and David A. Melfi, EE3:June 80:591:15456

Estuaries
Burial Design Criteria for Tidal River and Inlet Crossings, Donald Steven Graham and Ashish J. Mehta, Preprint No.80-033, Apr 80, 20pp.
Calibrating the Chesapeake Bay Circulation Model?, Raymond Walton, M. A. Granat and Robert P. Shubinski, HYCO:Aug 80:387
C & D Canal Effect on Salinity of Delaware Estuary, Tavit O. Najarian, M. Llewellyn Thatcher and Donald R.F. Harleman, WW1:Feb 80:1:15172
Coastal Development at Nile Mediterranean Outlets, Ismail Mobarek and Joel M. Goodman, CZ80:Nov 80:724
Coastal Flooding of Tidal Estuaries, Shing S.T. Schluchter and M. Teubner, HYUS:June 80:275
The Coast in Washington State, Charles H. Odegaard, CZ80:Nov 80:1354
The Columbia River Estuary Data Development Program, Robert J. Moulton, Preprint No.80-066, Apr 80, 18pp.
The Columbia River Estuary Data Development Program, Gary Lawley, Robert J. Moulton and David H. Kent, CZ80:Nov 80:1159
Conflict Resolution: Lessons from Grays Harbor, Nan Evans, CZ80:Nov 80:776
Design of a Test to Study Salinity Response in a Major Estuarine System to Major Storm Inflow, David Fenwick Bastian, HYUS:June 80:134
Distribution of Oil Pollution Residues, Ian A. Furzer, EE6:Dec 80:1171:15904
Drag of Yawed Pile Groups at Low Reynolds Numbers, David J. Ball and Clifford D. Hall, WW2:May 80:229:15425
Effects of Subsidence on Stream Hydraulics, Christopher B. Amandes, HYUS:June 80:414
Elkhorn Slough: The Making of an Estuarine Sanctuary, Nona B. Dennis, Bruce Browning and Hal Bissell, CZ80:Nov 80:1939

Endangered Species Coordination for Los Angeles Harbor, Daniel Muslin and Charles H. Fisher, CZ80:Nov 80:891
Engineer's Notebook: Graphs for Saline Wedges in Estuaries, Emmanuel Partheniades, Vassilios Dermisis and Ashish J. Mehta, CE:Jan 80:90
Estuarine Circulation from Dye-Buoy Photogrammetry, John C. Munday, Jr., Christopher S. Welch and Hayden H. Gordon, PO80:May 80: 417
Estuarine Front Formation and Propagation, John P. Grubert, HY6:June 80:961:15485
Estuarine Sediments: Successional Model, Kenneth J. Williamson and David A. Bella, EE4:Aug 80:695: 15595
Estuarine Variability, Wm. J. Wiseman, Jr., Preprint No.80-645, Oct 80, 8pp.
Expediting The Coastal Approval Process, Jeffrey A. Layton and Peter L. Buck, CZ80:Nov 80:1998
Experiments on Arrested Saline Wedge, John P. Grubert, HY6:June 80:945:15484
Field Study for Landsat Water Quality Verification, Donald Steven Graham and J. M. Hill, AS80:Aug 80:101
Finite Element Model of 2-D Stratified Flow, John D. Wang, HY12:Dec 79:1473:15049
Influences on Plans for the Santa Ana River Channel Mouth, Fala Powers, CZ80:Nov 80:1173
Inlet Stability Solutions for Tributary Inflow, Francis F. Escoffier and Todd L. Walton, Jr., WW4:Nov 79:355:14964
The Issue of Freshwater Inflow to Estuaries, Norman G. Benson, CZ80:Nov 80:1147
Long Wave Model Independent of Stability Criteria, Gary C. Niemeyer, WW1:Feb 79:51:14345
Marine Turtles and Problems in Coastal Management, John G. Frazier, CZ80:Nov 80:2395
Maryland's Coastal Fisheries Program: An Overview, Mark M. Bundy, CZ80:Nov 80:931
Mathematical Modeling of Dissolved Oxygen in Mixed Estuaries, Yasar F. Ozturk, EE5:Oct 79:883: 14923
Modeling of PCB Fate in the Hudson River System, Robert V. Thomann, Paul C. Pacquin and James J. Fitzpatrick, EE80:July 80:130
Modeling Three-Dimensional Wind-Induced Flows, Christopher Koutitas and Brian O'Connor, HY11: Nov 80:1843:15836
Numerical Modeling of Tidal Circulation in Harbors, Roger A. Falconer, WW1:Feb 80:31:15187
Opportunities and Problems in Planning the New Jersey Pinelands and Coastal Zone, John W. Sinton, CZ80:Nov 80:137
Preparing for Oil Spills in the Delaware River Estuary, June Lindstedt-Siva, CZ80:Nov :294
Presentation of Longitudinal Dispersion Data, Philip C. Chatwin, HY1:Jan 80:71:15150
Proposed Improvements to East Matagorda Bay, Texas, Jack Moger, HYUS:June 80:398
Protecting Suisun Marsh — 85,000 Acres of Habitat, William J. Kockelman and Jeffry S. Blanchfield, CZ80:Nov 80:1138
Ship Motion Study at the Columbia River Entrance, Scott M. Noble, Preprint No.80-160, Apr 80, 18pp.
Simulation of Sulfur Cycle in Estuarine Sediments, David A. Bella and Kenneth J. Williamson, EE1: Feb 80:125:15174
Sitka Coastal Habitat Evaluation, Kimbal A. Sundberg, CZ80:Nov 80:514
Stress and Tidal Current in a Well-Mixed Estuary, M. Robinson Swift, Ronnal Reichard and Barbaros Celikkol, HY7:July 79:785:14682
Tidal Hydraulics in Estuarine Channels, Robert M. Snyder, HY2:Feb 80:237:15202
Tidal Power from Rectangular Estuaries: Tidal Dynamics Constraints, Ian S. Robinson and John M. Perry, HY11:Nov 80:1915:15858
Two-Dimensional Tidally Averaged Estuarine Model, Wen-Sen Chu and William W-G. Yeh, HY4:Apr 80:501:15345

Ethics

Competitive Bidding for A/E Services—Why Not?, Kenneth C. Giberson, EI1:Jan 80:45:15117
Earthquake Prediction: A Socioeconomic View, John H. Sorensen, EI3:July 80:257:15550
Elected Office For Engineers?, Norman L. Cooper, EI4:Oct 79:233:14924
Engineers' Professional Rights, Albert Flores, EI4: Oct 80:389:15774
Ethical Considerations in Computer Use, Charles F. Beck, Chmn., TC2:Dec 79:415:15056
The Ethical Dimension of Professionalism, Richard H. McCuen, EI2:Apr 79:89:14513
The Ethics of Maintaining Continued Professional Competence, John S. Bruce, EI2:Apr 79:85:14545
Is Competitive Price Bidding for Professional Services Practical?, Alice Tulloch, EI1:Jan 80:57: 15120
Political Action—Why Are Engineers Getting Involved?, Kneeland A. Godfrey, Jr., CE:Aug 80:66
Professional Ethics in Private Practice, Leslie A. Clayton, Preprint No.80-147, Apr 80, 9pp.
Public Obligation and the Ethics System, William H. Wisely, EI3:July 79:131:14685
Should an Engineer be Allowed to "Moonlight" After Hours?, David T. Biggs, EI1:Jan 80:41:15104
When in Rome Do as the Romans: Should the Professional and Business Ethics of American Engineers be a Function of the Country in which They Practice, A. Colin Lauchlan, EI3:July 79:167: 14719
Why Professional Schools for Engineers?, Dan H. Pletta, EI4:Oct 80:349:15747

Europe

European Dredging—A State of the Art, John F. Hoffman, CZ80:Nov 80:1621
Soil Sampling in Europe: State-of-the-Art, Bengt B. Broms, GT1:Jan 80:65:15149

Eutrophication

Eutrophication-Related Water Quality in Dillon Reservoir, H. Kirk Horstman, G. Fred Lee and R. Anne Jones, EE80:July 80:144
Impact of Waste Diversion on Water Quality in Lakes, Paul L. Freedman and Raymond P. Canale, EE5:Oct 79:867:14885
Index To Evaluate Lake Restoration, Donald B. Porcella, Spencer A. Peterson and David P. Larsen, EE6:Dec 80:1151:15893
Monitoring Noxious Plant Spread in Reservoirs, Arthur R. Benton, Jr., ASDC:80:21
The Operational Use of Landsat for Lake Quality Assessment, Frank L. Scarpace and Lawrence T. Fisher, AS80:Aug 80:88
Predicting Eutrophication Impacts of Development, Myron S. Rosenberg, Robert A. Kimball and Robert P. Shubinski, IRKB:July 80:517
Remote Sensing that Motivated Community Action, Roland H. Brownlee, James P. Scherz and James M. Dennis, AS80:Aug 80:60
A Ten Year Improvement in Water Quality in a Major Okanagan Valley Lake as a Result of Municipal Wastewater Phosphorus Reduction, Agris Berzins, EE80:July 80:627
Trophic State of LaFarge Reservoir, John R. Kiefer, EE6:Dec 79:1095:15040

Evacuating (Transportation)

Flood Emergency Evacuation Plans, Ronald E. Hilton, HYUS:June 80:56
Flood Emergency Evacuation Plans, Ronald E. Hilton, CZ80:Nov 80:1188

Evaluation

Basic Pipe Stress Evaluation Summary, Gerald F. Mouser, TE4:July 79:349:14691
Choosing Objectives in Transportation Planning, Philip H. Byer and David Saunders, TE1:Jan 79:91: 14307
Coastal Program Evaluation From a State Perspective or Can an Amoeba Find True Happiness Under a Microscope?, William Travis, CZ80:Nov 80:451
Coastal Zone Management Evaluation: Some Alternatives, John L. Kermond, CZ80:Nov 80:412

Condition Evaluation of Jointed Concrete Airfield Pavement, Mohamed Y. Shahin, Michael I. Darter and Starr D. Kohn, TE4:July 80:381:15527
Damage Assessment of Existing Structures, James T.P. Yao, EM4:Aug 80:785:15653
Ecological Characterizations—An Evaluation Tool, Jay F. Watson, CZ80:Nov 80:509
Economic Analysis of Control Measures, Tymen W. Hofflander, CAAA:Nov 79:270
Evaluating Silvicultural Impacts on Water Resources, Gordon Snyder, IRKB:July 80:682
Evaluating Wetlands: Status and Needs, John J. Balco, CZ80:Nov 80:494
Evaluation and Inter-Governmental Relations in CZM, G. Kem Lowry, Jr. and Norman H. Okamura, CZ80:Nov 80:429
An Evaluation of a Cloud Seeding Program in Utah, Don A. Griffith, IRKA:July 80:107
Five Years of Sewer System Evaluation, Alberto F. Gutierrez and J. Harry Rowell, EE6:Dec 79:1149: 15039
Forecasting Lake Levels—A Case Study, Sivajogi D. Koppula, HYUS:June 80:280
Improving Highway Investment Programming Methods, Lance A. Neumann, TE5:Sept 80:599: 15692
Landsat Imagery for Hydrologic Modeling?, Richard S. Taylor, Robert P. Shubinski and T. S. George, AS80:Aug 80:44
Managing Nuclear Construction-An Experience Survey, Clyde B. Tatum, CO4:Dec 78:487:14233
Marine Sanctuary Institutional Analysis, Brian J. O'Sullivan, CZ80:Nov 80:1979
Practical Evaluation of Structural Reliability, Boris Bresler, John M. Hanson, C. D. Comartin and S. E. Thomasen, Preprint No.80-596, Oct 80, 10pp.
A Practical Intergovernmental Coordination Program, Morgan R. Rees, CZ80:Nov 80:1984
Probabilistic Evaluation of Welded Structures, Achintya Haldar, Preprint No.80-540, Oct 80, 14pp.
Productivity, Performance, and Planning, Jarir S. Dajani, UP1:May 78:47:13718
Regional Paratransit Services: An Evaluation, John Collura and Robert P. Warren, TE6:Nov 79:683: 14969
Simplified Procedure for Evaluating Embankment Response, Faiz I. Makdisi and H. Bolton Seed, GT12:Dec 79:1427:15055
A Systematic Approach to Landfill Evaluation, D. Randy Junkins and Michael H. Corbin, EE80:July 80:50
Systematic Evaluation of Navigation in Harbors, Ronald K. Gress and John D. French, PO80:May 80:568
Track Structure Design by Mathematical Models, Wai-Cheong So, TE5:Sept 79:483:14828
Warrior Ridge Redevelopment, Richard T. Gallus and Robert C. Richert, EY1:Jan 79:1:14295
Water Supply Regionalization: A Critical Evaluation, Robert M. Clark, WR2:Sept 79:279:14842
Weighting of Factors in Environmental Evluation, Naojiro Aoshima and Shogo Kawakami, UP2:Nov 79:119:14952

Evaporation

Accuracy of Harbeck Diagram for Forced Evaporation, George H. Ward, Jr., EY1:Apr 80:23: 15309
The Annual Water Balance, Peter S. Eagleson, HY8: Aug 79:921:14781
Best Ways to Dewater Dredged Material, T. Allan Haliburton, CE:Aug 79:57
Cooling Potential of Missouri River in Missouri, Arthur R. Giaquinta, HY11:Nov 80:1813:15834
Evaporation Basin Study at Boundary Bend, D. M. Ife, ASDC:80:144
Expanded Polystyrene Spheres as Evaporation Suppressors, Tariq A. Mahmoud and Natiq K. Bashi, IR3:Sept 80:163:15689
Land Imprinting for Better Watershed Management, Robert M. Dixon and John R. Simanton, IRKB: July 80:809
Microdroplets and Transport of Moisture from Ocean, Sung C. Ling, Timothy W. Kao and Alice I. Saad, EM6:Dec 80:1327:15923

Evaporation Tanks

Case Study of a Hazardous Waste Disposal Facility, David E. Murray, EE80:July 80:433
Evaporation Basin Study at Boundary Bend, D. M. Ife, ASDC:80:144

Evapotranspiration

Curve Numbers from Watershed Data, Everett P. Springer, Bruce J. McGurk, Richard H. Hawkins and George B. Colthorp, IRKB:July 80:938
Evapotranspiration Bed Design, Arthur F. Beck, TN: EE2:Apr 79:411:14474
Evapotranspiration under Depleting Soil Moisture, Wiboon Boonyatharokul and Wynn R. Walker, IR4: Dec 79:391:15018
Hydrologic Effects of a Severe Forest Fire, J. D. Cheng, IRKB:July 80:240
Hydrologic Simulation of the Effects of Forest Removal, D. S. Chanasyk and Jacobus P. Verschuren, IRKB:July 80:452
The Impact of Irrigation on Ground Water Quality, David L. Carter, IRKA:July 80:13
Improved Watershed Management using Remote Sensing, Albert Rango, IRKB:July 80:1019
Monitoring Aquatic Plants in Reservoirs, Arthur R. Benton, Jr., Carolyn A. Clark and Wallace W. Snell, TE4:July 80:453:15551
Production Functions for Tomatoes as Affected by Irrigation and Row Spacing, W. O. Pruitt, A. A. Kamgar, D. W. Henderson and Robert M. Hagan, IRKA:July 80:346
Water Use Efficiency: A Case Study In NW Nevada, Johannes C. Guitjens, IRKA:July 80:365

Evidence

Photographic Record and Time Delays, Richard P. Maher, CO3:Sept 80:341:15674

Evolution (Development)

Probability of Response to Evolutionary Process, Polihronis-Thomas Demetriou Spanos and Loren D. Lutes, EM2:Apr 80:213:15313

Examination

Examinations for Registration, William J. Hanna, EI4:Oct 78:257:14076
Responding to the Challenges of Engineering Practice, Adolph J. Ackerman, EI2:Apr 80:137: 15374

Excavation

Applications of Slurry Walls in Civil Engineering, Safdar A. Gill, CO2:June 80:155:15479
Criteria for the Selection of Construction Equipment, Marvin Gates and Amerigo Scarpa, CO2:June 80: 207:15507
Cut and Cover Construction on Unstable Slopes, Elias Sotiropoulos and Spyros Cavounidis, CO4: Dec 80:585:15890
Hypothesis for Progressive Failure in a Marl, Spyros Cavounidis and Elias Sotiropoulos, GT6:June 80: 659:15505
Jacked Pipe Provides Roof for Underground Construction in Busy Urban Area, G. Musso, CE: Nov 79:79
Lime Columns—A New Foundation Method, Bengt B. Broms and Per Boman, GT4:Apr 79:539:14543
Pore-Pressure Dissipation During Excavation, Ayed E. Osaimi and G. Wayne Clough, GT4:Apr 79:481: 14509
Subway Construction Costs: The Role of the Engineer, Robert S. O'Neil, CO4:Dec 80:447:15916

Excitation

Aerodynamic Response of Long H-Sections, Francis J. Maher and Larry E. Wittig, ST1:Jan 80:183: 15105
Anti-Earthquake Application Of Pulse Generators, Sami F. Masri, George A. Bekey, Frederick B. Safford and Tejav J. dehghanyar, EM81:Jan 81:87

Computer Graphics in Education: A Case Study, Michael J. O'Rourke, Robert U. Johnson and Larry J. Feeser, CP80:June 80:450
Development And Use Of Force Pulse Train Generators, Frederick B. Safford and Sami F. Masri, EM81:Jan 81:72
Dynamic Response to Nonstationary Nonwhite Excitation, Dario A. Gasparini and Amitabha DebChaudhury, EM6:Dec 80:1233:15900
Response of MDOF Systems to Nonstationary Random Excitation, Dario A. Gasparini, EM1:Feb 79:13:14341
Structural Response to Stationary Excitation, Armen Der Kiureghian, EM6:Dec 80:1195:15898
Tall Building Response to Earthquake Excitations, Jann-Nan Yang, Y. K. Lin and S. Sae-Ung, EM4: Aug 80:801:15642

Expansion
Construction on Expansive Rock, K. L. Logani, SLS: June 80:496
Methodology for Foundations on Expansive Clays, Michael W. O'Neill and Nader Poormoayed, GT12: Dec 80:1345:15949

Expansive Clays
Analog Model for Piles in Expansive Clay, Joram M. Amir and M. S. Sokolov, SLS:June 80:582
The Behaviour and Design of Housing Slabs on Expansive Clays, John E. Holland, William G. Pitt, Charles E. Lawrance and Dominic J. Cimino, SLS: June 80:448
Expansive Clay Hazards for Shallow Foundations, Michael W. O'Neill and Nader Poormoayed, Preprint No.80-081, Apr 80, 30pp.
Instruments for Laboratory and In Situ Measurement of the Lateral Swelling Pressure of Expansive Clays, Z. Ofer, SLS:June 80:45
Keynote Address, Spencer J. Buchanan, SLS:June 80: 661
Modelling Climatic Effects on Clay Beneath Slabs, Judith B. Corley, SLS:June 80:533
Prediction of Expansive Clay Behaviour, Silvan Andrei, Corneliu Athanasiu and Sanda Manea, SLS:June 80:76
The Pretreatment of Clay Soils for Road Construction, D. H. van der Merwe, F. Hugo and A. P. Steyn, SLS:June 80:361
Seasonal Heave of Australian Clay Soils, John E. Holland and Charles E. Lawrance, SLS:June 80:302
Special Address—Conference Overview, Leonard Krazynski, SLS:June 80:671
Study in Physical Theory of Expansiveness in Clays, Ewa T. Stepkowska, SLS:June 80:136
Summary of Open Discussion, D. R. Snethen, A. Ruckman, D. G. Fredlund, R. L. Lytton, R. G. McKee, W. G. Holtz, M. L. Steinburg, D. H. van der Merwe, Z. Ofer, C. Coffee, E. Stepkowska, B. Balasubramonian, A. A.B. Williams, H. Reitz and P. Mitchell, SLS:June 80:717
Summary of Panel Discussion on Testing and Prediction Methods, Leonard Krazynski, V. Escario, D. G. Fredlund, R. L. Lytton, John Holland, R. G. McKeen, Peter Mitchell and A. A.B. Williams, SLS:June 80:683
Treatment of Expansive Clay Canal Lining, Jack G. Byers, SLS:June 80:401
Variability of an Expansive Clay Deposit, D. G. Fredlund, J. Krahn and J. U. Hasan, SLS:June 80: 322

Expansive Soils
Analysis of Stiffened Slabs-on-Ground over Expansive Soil, Warren K. Wray, SLS:June 80:558
Assessment of Expansive Soils in the United States, James P. Krohn and James E. Slosson, SLS:June 80:596
Behavior of Expansive Soils in Western Canada, J. J. Hamilton, SLS:June 80:815
Behaviour of Expansive Soils with a Crumb Structure, Mihail Popescu, SLS:June 80:158
Building on Expansive Soils in South Africa: 1973-1980, Antony AB Williams and George W. Donaldson, SLS:June 80:834
Characterization of Expansive Soils Using Soil Suction Data, Donald R. Snethen, SLS:June 80:54
Construction and Design of Light Structures in Peru, A. Carrillo-Gil, SLS:June 80:469
Creep Damage to Structures on Expansive Clay Slopes, Robert L. Lytton and Larry D. Dyke, SLS: June 80:284
Deep Vertical Fabric Moisture Seals, Malcolm L. Steinberg, SLS:June 80:383
Design and Construction of Short Piles for Expansive Soils in Coro, Venezuela, Leopoldo Garcia-Iturbe and Jorge Martinez, SLS:June 80:850
Field Studies of Airport Pavements on Expansive Clay, R. Gordon McKeen, SLS:June 80:242
Field Test Sections on Expansive Soils, Lawrence D. Johnson, SLS:June 80:262
A Foundation Code for Expansive Soil Conditions, Joseph G. Zeitlen and Amos Komornik, SLS:June 80:609
Keynote Address, Spencer J. Buchanan, SLS:June 80: 661
Lateral Pressure Development Under Surcharges, R. P. Joshi and R. K. Katti, SLS:June 80:227
Legal Aspect of Expansive Soils, Fu Hau Chen, SLS: June 80:639
A Model for Slab Foundations on Expansive Soils, Stefanos S. Tsotsos, SLS:June 80:551
Pile Foundations in Swelling Soils, E. A. Sorochan, SLS:June 80:845
The Prediction of Total Heave, D. G. Fredlund, J. U. Hasan and H. L. Filson, SLS:June 80:1
Public Awareness of Homes Built on Shrink-Swell Soils, Wesley G. Holtz, SLS:June 80:617
Rheology of Swelling Soils and Deformation Forecast, Abbas Ali ogly Mustafayev and G. D. Chigniev, SLS:June 80:760
Shear Strength and Swelling of Clays Under Suction, Amos Komornik, Moshe Livneh and S. Smucha, SLS:June 80:206
Significance of Particle Size Distribution Similarity in Prediction of Swell Properties, R. Rama Rao and P. Smart, SLS:June 80:96
Special Address—Conference Overview, Leonard Krazynski, SLS:June 80:671
Stable Embedment Depth of Piles in Swelling Clay, D. David and A. Komornik, SLS:June 80:798
Strain Controlled Testing of Expansive Soils, Andrew A. Porter and John D. Nelson, SLS:June 80:34
Stressed-Strained State of Expansive Soil Massifs, N. A. Tsytovich, Z. G. Ter-Martirosyan and G. Ya. Karapetov, SLS:June 80:866
The Structural Analysis of Footings on Expansive Soil, P. W. Mitchell, SLS:June 80:438
Suction Controlled Penetration and Shear Tests, Ventura Escario, SLS:June 80:781
Summary of Open Discussion, D. R. Snethen, A. Ruckman, D. G. Fredlund, R. L. Lytton, R. G. McKee, W. G. Holtz, M. L. Steinburg, D. H. van der Merwe, Z. Ofer, C. Coffee, E. Stepkowska, B. Balasubramonian, A. A.B. Williams, H. Reitz and P. Mitchell, SLS:June 80:717
Summary of Panel Discussion on Testing and Prediction Methods, Leonard Krazynski, V. Escario, D. G. Fredlund, R. L. Lytton, John Holland, R. G. McKeen, Peter Mitchell and A. A.B. Williams, SLS:June 80:683
Water Conveyance Pipelines in Expansive Soil, Robin C. Rocklin, SLS:June 80:477

Experience
Women Engineers: Here to Stay, Ann E. Seltz-Petrash, CE:May 79:68

Experimental Data
Analysis of Earth Dam Response to Earthquakes, Ahmed M. Abdel-Ghaffar and Ronald F. Scott, GT12:Dec 79:1379:15033
Dynamic Stresses From Experimental and Modal Analysis, M. A. Tucchio, John F. Carney, III and Howard I. Epstein, EM81:Jan 81:658
Post-Buckling Behavior under Mode Interaction, Antonio J. Reis and John Roorda, EM4:Aug 79: 609:14744

Experimental Design
Hydraulic Analysis of Model Treatment Units, Frederick L. Hart and Santosh K. Gupta, EE4:Aug 78:785:13955

Experimentation
Chemical Transfer into Overland Flow, John J. Ingram and David A. Woolhiser, IRKB:July 80:40

Exploration
Consistency Review of OCS Acitvities Off California, Irwin D. Karp, CZ80:Nov 80:2103
Floating Ice Platforms: Offshore Oil Exploration, D. M. Masterson and H. R. Kivisild, ST1:Jan 80:133: 15101
A Strategy for State Participation in Outer Continental Shelf Exploration Decisions, Marie Murphy, CZ80:Nov 80:1078

Explosion Effects
Earthquake Simulation Using Contained Explosions, John R. Bruce and Herbert E. Lindberg, EM81:Jan 81:111
High Explosive Simulation of Earthquake-Like Motions, Cornelius J. Higgins, Roy L. Johnson, George E. Triandafilidis and David W. Steedman, EM81:Jan 81:126

Explosions
Lateral Loads on Power Boilers, Hugh W. Hempel, EY2:Aug 79:241:14751
Local Effects of Tornado-Generated Missiles, Anil K. Kar, ST5:May 78:809:13775

Explosives
Disposal of Hazardous Toxic Munition Waste, Irving Forsten, EE80:July 80:440
Earthquake Simulation Using Contained Explosions, John R. Bruce and Herbert E. Lindberg, EM81:Jan 81:111
Excavation of World's Largest Underground Powerhouse, Laurent Hamel and David Nixon, CO3:Sept 78:333:13995
High Explosive Simulation of Earthquake-Like Motions, Cornelius J. Higgins, Roy L. Johnson, George E. Triandafilidis and David W. Steedman, EM81:Jan 81:126
Rockfill Quarry Experience, Ord River, Australia, Lewis L. Oriard and Joseph L. Jordan, CO1:Mar 80:37:15252

Export
A Marine Terminal for Exportation of Slurried Coal, R. B. Jacques and P. K. Johnson, PO80:May 80:32

Exports
The Logistics System for Grain Exports, Lowell D. Hill, Preprint No.80-667, Oct 80, 11pp.

Fabrication
Concreting and Formwork Logistics and Optimization, Marvin Gates and Amerigo Scarpa, CO2:June 78:219:13842

Fabrics
Design and Construction of Fabric Reinforced Embankments, Jack Fowler and T. Allan Haliburton, Preprint No.80-177, Apr 80, 30pp.
Environmental Problems and Products, Philip V. DiVietro, CE:Sept 79:94
Fabric Reinforcement Designed Against Pullout, William G. Salomone, E. Boutrup, Robert D. Holtz, William D. Kovacs and Charles D. Sutton, Preprint No.80-177, Apr 80, 14pp.
The Fabric Roof, Allen Morrison, CE:Aug 80:60
Five Millions Square Foot Tent Roof, Fazlur R. Khan, John J. Zils and Mohammed Salem, CE:Dec 80:68
New Use for Filter Fabric: Highway Construction, CE:Oct 79:55
Nonlinear Deformation of Fabric/Foam Composites, S. S. Wang and Alvin Smith, Preprint No.80-572, Oct 80, 18pp.
Nonlinear Material Models for Fabric, Rene B. Testa and Norris Stubbs, CP80:June 80:195
Tension Resistant Inclusions in Soils, Kamal Z. Andrawes, Alan McGown, Mohsen M. Mashhour and Ragui F. Wilson-Fahmy, GT12:Dec 80:1313: 15928
The Use of Synthetic Fabrics in Coastal Dune Stabilization, Donald K. Stauble, CZ80:Nov 80: 2190

Facilities
Optimum Location of Maintenance Facilities, Lansford C. Bell and Rex K. Rainer, TE6:Nov 80: 697:15825

Failure
Assessment of Expansive Soils in the United States, James P. Krohn and James E. Slosson, SLS:June 80:596
Basics in Failure Analysis of Large Structures, Richard Roberts and Alan W. Pense, CE:May 80: 64
Beams with Torsional and Flexural Loads, Thomas P. Pastor and John T. DeWolf, ST3:Mar 79:527:14461
Behavior of Rigid Piers in Layered Cohesive Soils, Nabil F. Ismael and Tony W. Klym, GT8:Aug 78: 1061:13969
Blunt Crack Band Propagation in Finite Element Analysis, Zdenek P. Bazant and Luigi Cedolin, EM2:Apr 79:297:14529
Building Response To Extreme Wind And Tornadoes, James R. McDonald and Kishor C. Mehta, EM81:Jan 81:547
Cladding Failures — Lack of a Professional Interface, Jerry G. Stockbridge, TC2:Dec 79:307:15085
Comparative Study of Residual Stress Effects on Failure Loads of Welded Circular Tubes, Wendelin Barrett, W. H. Mueller and Hacik Erzurumlu, Preprint No.80-112, Apr 80, 20pp.
Concrete Beams with Small Opening under Torsion, M. Abdul Mansur and A. Hasnat, ST11:Nov 79: 2433:14970
Consideration of Seismic Hazards in Lifeline Design, A. H-S. Ang, C080:80:215
Constitutive Model for Short-Time Loading of Concrete, Niels Saabye Ottosen, EM1:Feb 79:127: 14375
Constitutive Models for Concrete Structures, Wai F. Chen and Edward C. Ting, EM1:Feb 80:1:15177
Continuous Composite-Bridge Model Tests, Paul W. Botzler and James Colville, ST9:Sept 79:1741: 14824
Creep Strain Accumulation Under Random Loading, Chavali V.S. Kameswara Rao, TN: EM6:Dec 78: 1457:14198
Cross-Bracing Design, John T. DeWolf and Joseph F. Pelliccione, ST7:July 79:1379:14680
Dam-Break Wave Model: Formulation and Verification, Cheng-lung Chen and Jeffrey T. Armbruster, HY5:May 80:747:15395
Design Charts for Air Chamber on Pump Pipe Lines, Alan T.K. Fok, HY9:Sept 78:1289:14024
Differential Movement in Composite Load-Bearing Masonry Walls, Clayford T. Grimm and David W. Fowler, ST7:July 79:1277:14666
Empirical Strength Criterion for Rock Masses, Evert Hoek and Edwin T. Brown, GT9:Sept 80:1013: 15715
Evaluation of Fracture Techniques in Cementitious Composites, K. Visalvanich and Antoine E. Naaman, FIC:Oct 80:65
Extreme-Value Problems of Limiting Equilibrium, Michael Garber and Rafael Baker, GT10:Oct 79: 1155:14901
Failure Mode Correlation in Weakest-Link Systems, Robert Coffin Garson, ST8:Aug 80:1797:15634
Failure of Riveted and Forge-Welded Penstock, Charles J. Trenkle, EY1:Jan 79:93:14283
Fatigue Strength of Fillet Welded Cruciform Joints, Karl H. Frank and John W. Fisher, ST9:Sept 79: 1727:14823
Fatigue under Wide Band Random Stresses, Paul H. Wirsching and Mark C. Light, ST7:July 80:1593: 15574

History and Esthetics in Suspension Bridges, David P. Billington, ST8:Aug 77:1655:13143
Indicator Pile and Load Test Program, Oliver H. Gilbert, Jr., Mahmut Otus and Joseph Corollo, GTDF:80:122
Interactive Strength of Two Structural Parameters, Raymond M.L. Ting, ST2:Feb 80:463:15197
Laboratory Verification of a Dam-Break Flood Model, Cheng-lung Chen, HY4:Apr 80:535:15324
Large Rubble-Mound Breakwater Failures, Eugene H. Harlow, TN: WW2:May 80:275:15385
Logical Analysis of Subjective Estimates of Structural Failure, D. I. Blockley, Preprint No.80-003, Apr 80, 17pp.
Mechanics of Stress Concentration and Failure Around Fastening Holes in Structural Plastics, Amad E. Tayebi and David V. Gorky, Preprint No.80-578, Oct 80, 13pp.
Multichamber Septic Tanks, Rein Laak, EE3:June 80: 539:15472
Nonlinear Creep of Concrete—Adaptation and Flow, Zdenek P. Bazant and Sang-Sik Kim, EM3:June 79: 429:14654
Part Two: Basics in Failure Analysis of Large Structures, Richard Roberts and Alan W. Pense, CE:July 80:60
Plastic-Fracturing Theory for Concrete, Zdenek P. Bazant and Sang-Sik Kim, EM3:June 79:407:14653
Plasticity in Soil Mechanics and Landslides, Wai F. Chen, EM3:June 80:443:15460
Plastic-Limit Equilibrium States in Soil Media, Jean-Herve Prevost and Beverly E. Hjorth, Preprint No.80-574, Oct 80, 14pp.
Prediction of Undrained Behavior of Sand, Poul V. Lade, GT6:June 78:721:13834
Prefailure and Post-Failure Soil Plasticity Models, M. M. Mehrabadi and Stephen C. Cowin, EM5:Oct 80: 991:15755
Reliability Analysis Under Stochastic Loads, Armen Der Kiureghian, ST2:Feb 80:411:15190
Reliability of Seismic Resistance Predictions, Rudolf F. Drenick and Chung-Bang Yun, ST10:Oct 79: 1879:14876
Retainining Wall Performance during Backfilling, Terrence S. Ingold, GT5:May 79:613:14580
Settlement Comparison Used in Tank-Failure Study, Roy A. Bell and Jun Iwakiri, GT2:Feb 80:153: 15219
Solution for Second-Moment Reliability Index, David B. Parkinson, EM5:Oct 78:1267:14094
Structural Details and Bridge Performance, William G. Byers, ST7:July 79:1393:14678
Structural Failure, Neal FitzSimons, TC1:Aug 80:141: 15625
Tear-Out Failure of Bolt Groups, Cedric Marsh, TN: ST10:Oct 79:2122:14873
Tests on Microconcrete Continuous Folded Plates, Kaveti Seetharamulu and Sachchidanand N. Sinha, ST7:July 79:1457:14696
Torsional Buckling Study of Hartford Coliseum, Robert S. Loomis, Raymond H. Loomis, Robert W. Loomis and Richard W. Loomis, ST1:Jan 80:211: 15124
Vortex-Excited Vibrations of Marine Cables, Owen M. Griffin, John H. Pattison, Richard A. Skop, Steven E. Ramberg and Dallas J. Meggit, WW2: May 80:183:15414
Water Conveyance Pipelines in Expansive Soil, Robin C. Rocklin, SLS:June 80:477
Wind Damage In Hurricane Frederic, Timothy A. Reinhold and Kishor C. Mehta, EM81:Jan 81:532
Wind Damage Observations and Implications, Joseph E. Minor and Kishor C. Mehta, ST11:Nov 79:2279: 14980
Wood Beams Under Impact Load, Borislav D. Zakic, ST7:July 79:1489:14690

Failures

Failures: How Engineers Learn — Or Do They?, Henry J. Degenkolb, Preprint No.80-017, Apr 80, 18pp.
Identification and Nature of Risks in Construction Projects — A Contractor's Perspective, J. Joseph Casey, CRLS:Jan 79:I-17
Inspecting Dam Construction, Wendell E. Johnson, CE:Nov 80:50
Model Study of Circular Sheetpile Cells, James K. Maitland and Warren L. Schroeder, GT7:July 79: 805:14712
Research Needs in Structural Engineering, CE:Dec 79:61
Review of Roof Failures in the Chicago Area Under Heavy Snow Loads, Ian R. Chin, Albert J. Gouwens and John M. Hanson, Preprint No.80-145, Apr 80, 20pp.

Falling Bodies

Fall Velocity of Shells as Coastal Sediment, Ashish J. Mehta, Jieh Lee and Bent A. Christensen, HY11: Nov 80:1727:15795

Fans

Design of Fan Foundations, Donald B. Walters and Jeffrey B. Kirby, Preprint No.80-625, Oct 80, 14pp.

Fares

Efficiency Through Pricing in Urban Transportation, William S. Vickrey, UT79A:July 79:120
Improved Resource Allocation, State & Federal: How Federal Transit Aid Influences Local Decisions, Jay R. Cherlow, UT79A:July 79:200
Pricing and Revenue Yield, William H. Crowell, UT79A:July 79:144
Singapore Mass Transit Study (Abstract), Robert A. Hubbard, MGC:July 80:313

Far Field

Hybrid Modeling Of Seismic Soil-Structure Interaction, Sunil Gupta and Joseph Penzien, EM81:Jan 81:201

Farm Management

Crop-Water Production Functions in Economic Analysis, Harry Ayer, Paul Hoyt and Melvin L. Cotner, IRKA:July 80:336

Farms

Nonlinear Finite Element Analysis of Farm Silos, Karoon Chandrangsu and Alfred G. Bishara, ST7: July 78:1045:13907
Saving the U.S's Rapidly Dwindling Farmland and Other Priceless Natural Resources, Eugene E. Dallaire, CE:Sept 80:81

Fasteners

Analysis of Bolted Connections Subject to Prying, Henning Agerskov, ST11:Nov 77:2145:13352
Fatigue Strength of Anchor Bolts, Karl H. Frank, ST6:June 80:1279:15465
Racking Strength of Light-Frame Nailed Walls, Roger L. Tuomi and William J. McCutcheon, ST7: July 78:1131:13876
Up-Grading of Wood Structures by Use of Improved Mechanical Fasteners, E. George Stern, Preprint No.80-525, Oct 80, 9pp.
Yield of Circular Weld Joining Elastic Plates, Lawrence E. Goodman and Leon M. Keer, EM1: Feb 80:135:15203

Fatalities

Highway Safety and Roadside Hazards, James L. Foley, Jr., TE6:Nov 80:617:15799

Fathometers

Pipelines—Positioning and Survey Problems, Stanley W. Hole, SU1:Nov 79:15:14951

Fatigue (Materials)

Evaluations of Fracture of Lafayette Street Bridge, John W. Fisher, Alan W. Pense and Richard Roberts, ST7:July 77:1339:13059
Fatigue Behavior and Design of Ferrocement Beams, Perumalsamy N. Balaguru, Antoine E. Naaman and Surendra P. Shah, ST7:July 79:1333:14671
Fatigue-Limit Effect on Variable-Amplitude Fatigue of Stiffeners, Pedro Albrecht and Ian M. Friedland, ST12:Dec 79:2657:15095

Fatigue of Steel Beams by Simulated Bridge Traffic, Charles G. Schilling and Karl H. Klippstein, ST8: Aug 77:1561:13123
Fatigue of Steel Beams with Groove-Welded Flanges, Garry R. Bardell and Geoffrey L. Kulak, ST9:Sept 80:1855:15685
Fatigue Tests of 3-yr Weathered A588 Steel Weldment, Pedro Albrecht and Ian M. Friedland, ST5:May 80:991:15415
Fatigue under Wide Band Random Stresses, Paul H. Wirsching and Mark C. Light, ST7:July 80:1593:15574
Linear Model in Probabilistic Fatigue Design, Paul H. Wirsching and Steve Hsieh, EM6:Dec 80:1265:15919
Long Time Observation of a Fatigue Damaged Bridge, John W. Fisher, Robert E. Slockbower, Hans Hausammann and Alan W. Pense, Preprint No.80-029, Apr 80, 22pp.
New Method for Fatigue Design of Bridges, Charles G. Schilling and Karl H. Klippstein, ST3:Mar 78:425:13618
Welded Connections in Round Bar Steel Structures, Henning Agerskov and Jorgen Bjornbak-Hansen, ST12:Dec 79:2707:15087

Fatigue Life
Vibration Of A Steel Truss Highway Bridge, Celal N. Kostem, Robert T. Reese and T. Robert Kealey, EM81:Jan 81:61

Fatigue Limit
Fatigue-Limit Effect on Variable-Amplitude Fatigue of Stiffeners, Pedro Albrecht and Ian M. Friedland, ST12:Dec 79:2657:15095

Fatigue Strength at N Cycles
Fatigue Strength of Anchor Bolts, Karl H. Frank, ST6:June 80:1279:15465

Fatigue Tests
Detection Of Fatigue Cracks In Structural Members, E. Kummer, J. C. S. Yang and N. Dagalakis, EM81:Jan 81:445

Faults (Geology)
A Fault-Rupture Propagation Model For Groung Motion Simulation, Yoshikazu Yamada and Shigeru Noda, EM81:Jan 81:235
Landsat Data Use in Evaluating Nuclear Reactor Sites, Patrick J. Barosh, ASDC:80:383
Response of Layer to Strike-Slip Vertical Fault, Marijan Dravinski and Mihailo D. Trifunac, EM4: Aug 80:609:15610
Sea Cliff Erosion in Southern California, Louis J. Lee, CZ80:Nov 80:1919
Seismic Design of Oil Pipeline Systems, Robert P. Kennedy, Arthur C. Darrow and Stephen A. Short, TC1:Apr 79:119:14505

Faults and Faulting (Geology)
Consideration of Seismic Hazards in Lifeline Design, A. H-S. Ang, C080:80:215
A Seismic Hazard Evaluation of California, Ronald T. Eguchi, C080:80, 66pp.

Feasibility Studies
Problems in Applying Optimal Irrigation Plans, Charles E. Brockway and Richard G. Allen, WR1: Mar 80:255:15277
Water Supply Feasibility Studies in Philippines, Leonardo V. Gutierrez, Jr., UP1:May 78:59:13726

Feces
Modeling Storm Overflow Impacts on Eutrophic Lake, Paul L. Freedman, Raymond P. Canale and James F. Pendergast, EE2:Apr 80:335:15355

Federal Agencies
Coastal Zone Management Evaluation: Some Alternatives, John L. Kermond, CZ80:Nov 80:412
Competition and Professional Ethics, Richard J. Favretto, EI3:July 79:137:14700
Evaluating Wetlands: Status and Needs, John J. Balco, CZ80:Nov 80:494
Evaluation and Inter-Governmental Relations in CZM, G. Kem Lowry, Jr. and Norman H. Okamura, CZ80:Nov 80:429
Federal Consistency—Is It Working? A Perspective From the Pacific Northwest, Donald E. Lawyer, CZ80:Nov 80:2123
A Federal Perspective on Lifeline Seismic Safety, Richard J. Green, C080:80:1
Fledgling Standards-Writing Program: Progress Report, CE:Mar 79:80
Highway Safety Challenges of the 80's, Bennie Maffet, HW80:Mar 80:54
Highway Safety Research and Implementation, Edwin M. Wood, HW80:Mar 80:207
Meeting Off System Safety Needs, Andrew J. Lampe, HW80:Mar 80:180
National Commission on Air Quality, Katherine Cudlipp, CAAA:Nov 79:396
The New OBERS Projections, Henry L. DeGraff, EFHYF:Mar 79:93
Non-Government Consensus Standards: Changes in the Wind?, Kneeland A. Godfrey, Jr., CE:Mar 79: 75
Potamology in 1932: Lower Mississippi River, Leo M. Odom, WW4:Nov 79:405:14993
Precipitation Forecasting at a National Center, David A. Olson, EFHYF:Mar 79:199
Regulations: More is Less, Ann E. Seltz-Petrash, CE: Sept 79:99
Safety Challenge for the Future, Howard L. Anderson, HW80:Mar 80:264
Small Scale Hydropower in the West, Michael J. McLatchy, IRKA:July 80:374
Tropical Storm Surge Forecasting in the National Weather Service, Chester P. Jelesnianski, EFHYF: Mar 79:65
Use of Computers by Federal Construction Agencies, Louis H. Klotz, CP80:June 80:578
Willow Island Aftermath: The Limits of OSHA, Allen Morrison, CE:Mar 80:68

Federal Aid
CAPDET—Cost Estimating for Wastewater Treatment, M. John Gullinane, Jr., CP80:June 80: 320
The CEIP: An Ohio Perspective, Michael L. Adams, CZ80:Nov 80:612
Confusion Prevails in Federal Minority Business Efforts, Virginia Fairweather, CE:Sept 79:91
Direct Cost/Revenue Shortfalls in Transportation, S. David Phraner and Victor Gulewicz, UT79A:July 79:60
Do Federal Grants Distort a City's Capital Investment Priorities?, Eugene E. Dallaire, CE:Oct 79:79
Existing Revenue Sources, Charles A. Krouse, UT79A:July 79:45
Heavy Trucks—How Much Damage to Pavements?, CE:Nov 79:64
Highways; Urban Transportation, CE:Jan 80:97
Impact of Federal Highway Policy on County Road Programs, Robert A. Larson, TE1:Jan 79:23:14319
Improved Resource Allocation, State & Federal: How Federal Transit Aid Influences Local Decisions, Jay R. Cherlow, UT79A:July 79:200
Low Income Housing Planning: State-of-the-Art, Leonard F. Heumann, UP2:Nov 79:137:14962
Meeting Off System Safety Needs, Andrew J. Lampe, HW80:Mar 80:180
Modeling Framework to Address AWT Decisions, Thomas W. Gallagher and Richard P. Winfield, EE80:July 80:604
National Transportation Policies Through the Year 2000, John E. Wild, UT79A:July 79:173
Reducing Sewer Infiltration/Inflow, Kelly M. Peil and Douglas S. Diehl, CE:Dec 79:50
Regionalization: Where Are We Now in Palm Beach County, Richard D. Stalker, Preprint No.80-67, Oct 80, 13pp.
Waterfront Policy: Responding to Local Needs, Letitia C. Longord and Irene L. Murphy, CZ80: Nov 80:256

Federal Control
Non-Government Consensus Standards: Changes in the Wind?, Kneeland A. Godfrey, Jr., CE:Mar 79: 75

Federal Government
National Transportation Policies Through the Year 2000, John E. Wild, UT79A:July 79:173
Non-Government Consensus Standards: Changes in the Wind?, Kneeland A. Godfrey, Jr., CE:Mar 79: 75
State Airport Planning and Financing, Owen Miyamoto, MGC:July 80:14

Federal Laws
Access is the Opium of the Planner, Wallace Kaufman, CZ80:Nov 80:119
Alaska's Native Log Bridges, Frank W. Muchmore and Roger L. Tuomi, CE:Feb 80:54
Alternatives for Standards and Regulations, Brian R. Mrazik and Richard W. Krimm, EFHYF:Mar 79: 375
Analysis of Nonattainment Area Plan for TSP, C. Philip Arthur, CAAA:Nov 79:206
Anchorage's Response to the 1977 Clean Air Act Amendments, Leif G. Anderson and A. Reed Gibby, CAAA:Nov 79:20
Are Environmental Regulations Attaining a Realistic Balance among Energy and Environmental Goals, Robert M. Jimeson and Robert Kane, EE1:Feb 79: 121:14389
Beach Access Problems, Programs and Progress, David J. Brower, CZ80:Nov 80:1697
Coastal Zone Intergration of State and Local Plans, Lowdon Wingo and James Fawcett, CZ80:Nov 80: 2052
Coastal Zone Management Evaluation: Some Alternatives, John L. Kermond, CZ80:Nov 80:412
Comments, Tim Lynch, CAAA:Nov 79:407
Complying with the 1977 Clean Air Act in Boston, Thomas F. Humphrey, UP1:Nov 80:1:15817
Controlling Nonpoint Source Pollution from Commercial Clearcuts, Keith E. Mussallem and James A. Lynch, IRKB:July 80:669
Cost Impacts of Prevailing Wage Laws in Construction, Raymond E. Levitt and Clinton C. Bourdon, CO4:Dec 79:281:15019
Design for Erosion Loss Studies on Disturbed Lands, W. Russell Hamon and James V. Bonta, IRKB:July 80:27
The Development of Multi-Purpose Land Information Systems: The Challenge for the Next Decade, John McLaughlin, SU80:June 80:245
Developments in Motor Vehicle Inspection/ Maintenance, Thomas Cackette, Philip Lorang and David Hughes, CAAA:Nov 79:76
Economic Analysis of Control Measures, Tymen W. Hofflander, CAAA:Nov 79:270
Energy Facility Planning and Siting in the Coastal Zone, Donald E. Glass, CZ80:Nov 80:396
EPA Goes to BAT Against Toxic Industrial Wastewater, Michael J. Bartos, Jr CE:Sept 79:87
Erosion and Sediment Yield Models—An Overview, Walter G. Knisel, Jr., IRKB:July 80:141
European Dredging—A State of the Art, John F. Hoffman, CZ80:Nov 80:1621
Federal Roles and Responsibilities In a Modernized Land Data System, Bernard W. Hostrop, SU80: June 80:27
Fledgling Standards-Writing Program: Progress Report, CE:Mar 79:80
Floodplain Management: New Federal Groundrules, Timothy E. Maywalt, CZ80:Nov 80:1200
Formulating Alternatives for Environmental Studies, David R. Boone, EE3:June 80:527:15486
Guaranteeing Public Access in Publicity-Funded Shoreline Projects, Kenneth C. Caldwell, CZ80:Nov 80:1397
Highway Safety Challenges of the 80's, Bennie Maffet, HW80:Mar 80:54
Highway Safety Program Overview, Thomas A. Hall, HW80:Mar 80:3
Highway Safety: Pyrrhic Victory, Sally Free, HW80: Mar 80:87
Hydrology and Environmental Assessments, Arliss D. Ray, William P. Wenstorm and Dan D. Taylor, EFHYF:Mar 79:387
Identification of CO Hot Spots in Upstate New York, Ronald J. Piracci, CAAA:Nov 79:284
The Impact of the Clean Air Act on Future Transportation, John O. Hidinger, CAAA:Nov 79:7
The Impacts of the Resource Conservation and Recovery Act on Wood Fired Energy Systems, Hugh T. Carson and Dennis W. Weeter, EE80:July 80:508
Long-Term Impacts of Surface Mining on Streamflow, R. C. Sidle and H. A. Menser, IRKB: July 80:598
LOOP: Delivering Oil Where It's Needed, William B. Read, PO80:May 80:163
Management of Galbraith Gap Municipal Watershed, David R. DeWalle, IRKB:July 80:1012
Markings and Delination in Safety Construction, Gerald P. Balcar, HW80:Mar 80:135
Minimizing Risks and Mitigating Losses—B, Franklin T. Matthias, CRLS:Jan 79:II-133
Mitigating Runoff Pollution Into South Shore Bays of Long Island, New York, Kevin J. Phillips, Vito Minei, Thomas Maher and Philip A. Haderer, HYUS:June 80:228
Modeling of Sediment Transport in Cottonwood Creek, Alan L. Prasuhn and Edward F. Sing, HYCO:Aug 80:209
National Commission on Air Quality, Katherine Cudlipp, CAAA:Nov 79:396
National Highway Safety Program Effectiveness, Thomas A. Hall, TE4:July 78:449:13878
New Tools for Resolving Conflicts in Port Planning, Edward J. Linky and Bruce H. Hoff, CZ80:Nov 80: 881
Pennsylvania's Proposed Emission I/M Program, Maurice R. Devin, CAAA:Nov 79:120
The PMD Program—One State's View, Roger L. Hatton, HW80:Mar 80:149
Predicting Sediment Yield from Strip-Mined Land, Martin M. Fogel, Louis H. Hekman, Jr. and Lucien Duckstein, IRKB:July 80:176
Principles & Techniques for Special Area Management: The Grays Harbor & Coos Bay Experience, Gordon E. Davis, CZ80:Nov 80:761
Problems Facing Alaska Outer Continental Shelf Resource Development, Robert J. Brock, Raymond R. Emerson and Gordon M. Euler, CZ80:Nov 80: 1112
A Procedure for Evaluating Program Alternatives, Robert B. McDonald, CZ80:Nov 80:1768
Proposed Gray's Reef Marine Sanctuary: A Case Study, Carrol N. Curtis and Jeannette H. Phillips, CZ80:Nov 80:1969
Public and Private Regulation of LNG Transport, Jonathan David Aronson and William Westermeyer, CZ80:Nov 80:589
The Puget Sound Air Quality Planning Process, Brent Carson and Max S. Power, CAAA:Nov 79: 382
Railroad Highway Grade Crossing Program: Railroad View, Frederick J. Kull, HW80:Mar 80:130
RCRA Implementation and the Environmental Engineer's Role, John Lynch, EE80:July 80:199
Reducing Sewer Infiltration/Inflow, Kelly M. Peil and Douglas S. Diehl, CE:Dec 79:50
Regulations: More is Less, Ann E. Seltz-Petrash, CE: Sept 79:99
Remarks of Dave Stockman, Martin Smith, CAAA: Nov 79:400
Shuttle Diplomacy and the Other Side of Coastal Management, Louis C. Burney, CZ80:Nov 80:1002
Small Scale Hydropower in the West, Michael J. McLatchy, IRKA:July 80:374
Stationary and Mobile Source Controls and Tradeoffs, Salvatore J. Bellomo and Jawaharlal Mehra, CAAA:Nov 79:153
Summary of Commissioner G. B. Craig's Remarks, G. B. Craig, HW80:Mar 80:215
Top Highway Problems : Finance and Maintenance, Kneeland A. Godfrey, Jr., CE:Nov 79:59

The Transportation — Air Quality Planning Process, Gerard Soffian, John Filippelli and John C. Cosby, CAAA:Nov 79:126
Transportation and the 1977 Clean Air Act Amendments — Conference Summary, Edward C. Sullivan, CAAA:Nov 79:1
Transportation Controls to Promote Air Quality: The San Francisco Bay Area Experience, Vincent Petrites, CAAA:Nov 79:179
Union Versus Nonunion Construction in the U.S., Raymond E. Levitt and Clinton C. Bourdon, CO4: Dec 79:289:15020
U.S. Water Policy: Putting the Lid on the Pork Barrel, Virginia Fairweather, CE:Apr 80:53
Water Supply Regionalization: A Critical Evaluation, Robert M. Clark, WR2:Sept 79:279:14842
Will EPA Relax Its Mandatory Secondary Treatment Requirement?, Eugene E. Dallaire, CE:June 79:88
1977 Clean Air Act: Cheapest Way to Clean Up the Environment?, Eugene E. Dallaire, CE:Mar 79:85

Federal Project Policy
Emerging Federal Water Supply Policies, Warren Viessman, Jr., Preprint No.80-532, Oct 80, 9pp.
A/E Use of Computer Aids on Federal Projects, Ronald L. King, CP80:June 80:562
Why Does a Federal Demonstration Project Succeed or Fail?, Walter S. Baer, LeLand L. Johnson and Edward W. Merrow, CE:Mar 79:53

Federal Role
A Federal Perspective on Lifeline Seismic Safety, Richard J. Green, C080:80:1

Federal-State Cooperation
Balancing Fish and Fuel on Georgia's OCS, Jeannette H. Phillips and James O. Barber, CZ80:Nov 80: 1098
The CEIP: An Ohio Perspective, Michael L. Adams, CZ80:Nov 80:612
Comments on the Federal-Local Partnership in Transportation Air Quality Planning, Paul F. Maxwell, CAAA:Nov 79:33
Flood Emergency Evacuation Plans, Ronald E. Hilton, CZ80:Nov 80:1188
Floodplain Management: New Federal Groundrules, Timothy E. Maywalt, CZ80:Nov 80:1200
A Planning Procedure for the East Everglades, Narendra Juneja, CZ80:Nov 80:1574
Proposed Gray's Reef Marine Sanctuary: A Case Study, Carrol N. Curtis and Jeannette H. Phillips, CZ80:Nov 80:1969
Shuttle Diplomacy and the Other Side of Coastal Management, Louis C. Burney, CZ80:Nov 80:1002
A Strategy for State Participation in Outer Continental Shelf Exploration Decisions, Marie Murphy, CZ80:Nov 80:1078
The #53 Working Group: Local Participation in the Federal OCS Leasing Process, Ceila Lawren, CZ80: Nov 80:1087

Federal State Relationships
Effectiveness of Assessments of Coastal Management, Robert J. Reimold, CZ80:Nov 80:444
State-Federal Relations Under the Surface Mining Control and Reclamation Act of 1977, William C. Ackerman, Preprint No.80-059, Apr 80, 18pp.

Feedback Control
Active Control of Two-Cable-Stayed Bridge, Jann-Nan Yang and Fanis Giannopoulos, EM5:Oct 79: 795:14899
General Approach to Active Structural Control, Mohamed Abdel-Rohman and Horst H. Leipholz, EM6:Dec 79:1007:15047
Optimal Control of Civil Engineering Structures, Mohamed Abdel-Rohman, Victor H. Quintana and Horst H. Leipholz, EM1:Feb 80:57:15192

Fees
Competitive Bidding for A/E Services—Why Not?, Kenneth C. Giberson, El1:Jan 80:45:15117
A/E Use of Computer Aids on Federal Projects, Ronald L. King, CP80:June 80:562
Section Handbook for Implementation of Manual 55, Philip J. Dinauer, El4:Oct 79:179:14875
Should an Engineer be Allowed to "Moonlight" After Hours?, David T. Biggs, El1:Jan 80:41:15104

Fences
Flow Past Fence in Turbulent Boundary Layer, Pramod K. Pande, Rajendra Prakash and Manharan L. Agarwal, HY1:Jan 80:191:15151

Fender Design
Fendering Requirements/Design Fender Impact Criteria, J. S. Balfour, J. C. Feben and D. L. Martin, PO80:May 80:504
Fender System Requirements at Open-Sea Berths, Bela Koman, PO80:May 80:520
Marine Fender Specifications, Robert A. Young, PO80:May 80:547
Specialized Fender System Requirements and Design, Robert L. Beach and Noel B. Davis, PO80:May 80: 534

Fermentation
Modeling Toxicity in Methane Fermentation Systems, Gene F. Parkin and Richard E. Speece, EE80:July 80:288

Ferrates
Feasibility of Wastewater Treatment with Ferrate, Thomas D. Waite, EE6:Dec 79:1023:15030

Ferries
Transportation Needs - Northern Mariana Islands, Robert B. Deadwyler, Sr., MGC:July 80:268

Fertilization
Fire Rehab in the Bend Municipal Watershed, Bruce P. McCammon and Dallas Hughes, IRKB:July 80: 252

Fertilizers
Computer Mapping in a Catchment Land Use Study, Kerry Michael Rosenthal, ASDC:80:224

Fiber Composites
Evaluation of Fracture Techniques in Cementitious Composites, K. Visalvanich and Antoine E. Naaman, FIC:Oct 80:65
Resistance to Crack Growth in Portland Cement Composites, Methi Wecharatana and Surendra P. Shah, FIC:Oct 80:82

Fiberglass
A Design Method for Fiberglass Pipe, Larry J. Petroff, Preprint No.80-558, Oct 80, 14pp.
Installation of Fiberglass Pipe, B. Jay Schrock, TE6: Nov 78:835:14175

Fiber Laminates
Cylindrical Shells of Bimodulus Composite Material, Charles W. Bert and V. Sudhakar Reddy, Preprint No.80-623, Oct 80, 13pp.

Fiber Reinforced Plastics
Acoustic Emission of Fiber Reinforced Plastics, Timothy J. Fowler, TC2:Dec 79:281:15021

Fibers
Partially Steel-Fiber Reinforced Mortar, Mohsen Mahmoudzadeh Rahimi and Clyde E. Kesler, ST1: Jan 79:101:14282

Field Investigations
Evaluation of Owner Comments on Specifications, Edward R. Fisk, CO4:Dec 80:469:15875
Geology and Geotechnical Engineering, Robert F. Legget, GT3:Mar 79:339:14444
Location of Cross-Drainage Structures on Channels, John Russell Tregear, ASDC:80:137
Measured Performance of Newtown Creek Culvert, Ernest T. Selig, Charles W. Lockhart and Richard W. Lautensleger, GT9:Sept 79:1067:14850
Settlements of Immersed Tunnels, Birger Schmidt and Walter C. Grantz, GT9:Sept 79:1031:14811

Special Address—Conference Overview, Leonard Krazynski, SLS:June 80:671

Field Tests
Ambient Vibration Survey of Offshore Platform, Sheldon Rubin, EM3:June 80:425:15458
Aquatic Plant Mapping by Remote Sensing, Lewis E. Link, Jr. and K. S. Long, ASDC:80:34
Arch Culvert Footing Movements, Raymond E. Davis, Henry D. Nix and Alfred E. Bacher, ST4: Apr 79:729:14491
Arch Culvert Research—Phase 3, Raymond E. Davis, Henry D. Nix and Alfred E. Bacher, ST4:Apr 79: 739:14492
Behavior of Rigid Piers in Layered Cohesive Soils, Nabil F. Ismael and Tony W. Klym, GT8:Aug 78: 1061:13969
The Behavior of Steel Rocket Shaped Pile, Peter Y. Lee and Lawrence W. Gilbert, GTDF:80:253
Concrete Strength Prediction by the Maturity Method, Tarun R. Naik, EM3:June 80:465:15453
Detection Methods for Location of Subsurface Water and Seepage, Robert M. Koerner, Jonathan S. Reif and Michael J. Burlingame, GT11:Nov 79:1301: 14989
Dynamic Response of Piles in Offshore Platforms, Robert G. Bea, GTA80:Oct 80:80
Dynamics of Vibratory-Roller Compaction, Tai-Sung Yoo and Ernest T. Selig, GT10:Oct 79:1211:14907
Effects of Piles Driving Systems on Driveability and Capacity of Concrete Piles, Christopher David Thompson and David Elliot Thompson, GTDF:80: 420
Energy Dynamics of SPT, John H. Schmertmann and Alejandro Palacios, GT8:Aug 79:909:14769
Evaporation Basin Study at Boundary Bend, D. M. Ife, ASDC:80:144
Flow Resistance of Large-Scale Roughness, James C. Bathurst, HY12:Dec 78:1587:14239
Flow Routing in Tailwater Streams, Michael G. Ferrick, HYCO:Aug 80:192
Ground-Water Quality at Rapid Infiltration Site, James V. Olson, Ronald W. Crites and Paul E. Levine, EE5:Oct 80:885:15768
In Situ Tests by Flat Dilatometer, Silvano Marchetti, GT3:Mar 80:299:15290
Integrated Port Design and Planning Process, Martin T. Czerniak, Arthur Rubinstein and J. Ian Collins, PO80:May 80:440
Intrusion Pile Foundation Case History, Larry G. O'Dell and John M. Pool, GTDF:80:300
Lateral Load Tests on Drilled Piers in Stiff Clays, Kul Bhushan, Steven C. Haley and Patrick T. Fong, GT8:Aug 79:969:14789
Load Transfer in Pressure Injected Anchors, James R. Shields, Harry Schnabel, Jr. and David E. Weatherby, GT9:Sept 78:1183:14035
Measured Effects of Vibratory Sheetpile Driving, G. Wayne Clough and Jean-Lou Chameau, GT10:Oct 80:1081:15778
Measured Performance of Newtown Creek Culvert, Ernest T. Selig, Charles W. Lockhart and Richard W. Lautensleger, GT9:Sept 79:1067:14850
Minicomputers in Full-Scale Structural Testing, Suresh G. Pinjarkar and Otto C. Guedelhoefer, TC1:Apr 79:103:14497
Moisture Retention of Landfilled Solid Wastes, Raymond L. Huitric, Sagar Raksit and Roger T. Haug, EE80:July 80:55
Multiple Jets in Shallow Flowing Receiving Waters, A. David Parr and William W. Sayre, HY11:Nov 79:1357:14991
Northfield Mountain Pumped Storage Project: Performance, William F. Swiger, Philip A. Wild and Thomas J. Lamb, GT6:June 80:673:15506
Power Plant Diffuser-Pipe System, A. David Parr and William W. Sayre, EE6:Dec 79:1075:15048
Predicition and Verification of Friction Pile Behavior, Michael W. Montgomery, GTDF:80:274
Predrilling: Minimizes the Undesirable Effects of Pile Installation?, Richard P. Ray, Edward J. Ulrich, Jr. and James Malinak, GTDF:80:459
Pull-Out Load Test of a Drilled Pier in Very Stiff Beaumont Clay, Richard A. Pearce and Carl L. Brassow, GTDF:80:331
Secondary Flow and Shear Stress at River Bends, James C. Bathurst, Colin R. Thorne and Richard D. Hey, HY10:Oct 79:1277:14906
Soil Chemistry Changes at Rapid Infiltration Site, Paul E. Levine, Ronald W. Crites and James V. Olson, EE5:Oct 80:869:15767
Statics of SPT, John H. Schmertmann, GT5:May 79: 655:14573
Stormwater Quality—First Efforts in Denver, Ben Urbonas and L. Scott Tucker, TC1:Aug 80:53: 15621
Strain Controlled Testing of Expansive Soils, Andrew A. Porter and John D. Nelson, SLS:June 80:34
Sulphur Asphalt Field Trials in Texas, Bob M. Gallaway and Fred J. Benson, MGC:July 80:366
SWMM Application to Combined Sewerage in New Haven, Joseph A. Cermola, Sergio DeCarli, Dev R. Sachdev and Hassan M. El-Baroudi, EE6:Dec 79: 1035:15042
Timber Pile Study, Exisiting Structure, Frank D. Grefsheim, GTDF:80:166
Tolerable Movement Criteria for Highway Bridges — Field Studies, Lyle K. Moulton, Hota V.S. GangaRao, Maher K. Tadros and Grant T. Halvorsen, Preprint No.80-567, Oct 80, 18pp.
Velocity Measurement of Free-Fall SPT Hammer, William D. Kovacs, GT1:Jan 79:1:14313

Filament Wound Materials
Reinforced Thermosetting Resin Pipe, B. Jay Schrock, Chmn., TE2:Mar 79:165:14450

Fillet Welds
Fatigue Strength of Fillet Welded Cruciform Joints, Karl H. Frank and John W. Fisher, ST9:Sept 79: 1727:14823

Fills
Case Histories of Harbor Developments in Weak Soils, William Enkeboll and Vernon A. Smoots, WW4:Nov 80:429:15832
Highway Embankment Doubles as Dam, Shiwendra P. Singh, CE:Apr 79:80

Filters
Compaction Effects on Hydraulic Failure Gradients, Lyman S. Willardson and Manuel J. Batista, IRKA: July 80:140
Environmental Problems and Products, Philip V. DiVietro, CE:Sept 79:94
High-Rate Filtration in Polymer-Treated Sand Bed, John J. Byeseda and Nicholas D. Sylvester, EE2: Apr 79:231:14525
How about Reverse Filters, Chesley J. Posey, CE:Apr 80:78
Kalman Filter Modeling of the Speed River Quality, Thomas W. Constable and Edward A. McBean, EE5:Oct 79:961:14894
Lime Use in Anaerobic Filters, Graham J. Brown, Kuran-Chow Lin, Robert C. Landine, Albert A. Cocci and Thiruvenkatachari Viraraghavan, TN: EE4:Aug 80:837:15588
New Use for Filter Fabric: Highway Construction, CE:Oct 79:55
Optimum Backwashing of Sand Filters, Appiah Amirtharajah, EE5:Oct 78:917:14078
Plant-Scale Operation of a Biological Denitrification Filter System, Jeffrey J. Chen, Preprint No.80-586, Oct 80, 10pp.
Research Analysis of Plastic Filters, Phillip M. Demery, IRKA:July 80:398
Sediment Removal With Vegetal Filters, Clarence W. Robison and Charles E. Brockway, IRKA:July 80: 422
Settling Rates of Algae from Wastewater Lagoons, Susan E. Stutz-McDonald and Kenneth J. Williamson, EE2:Apr 79:273:14519
Stream Temperature Estimation Using Kalman Filter, Chao-Lin Chiu and Emmanuel Oko Isu, HY9:Sept 78:1257:13991

Synthetic Drain Envelope—Soil Interactions, Lyman S. Willardson and Robert E. Walker, IR4:Dec 79: 367:15028

Filter Stones
Settling Rates of Algae from Wastewater Lagoons, Susan E. Stutz-McDonald and Kenneth J. Williamson, EE2:Apr 79:273:14519
Upgrading Lagoon Effluents with Rock Filters, Gregory R. Swanson and Kenneth J. Williamson, EE6:Dec 80:1111:15887

Filtration
Chlorine Effect on Secondary Effluent Filtration, Andrew K. Hsiung, TN: EE3:June 80:649:15447
Declining-Rate Versus Constant-Rate Filtration, Luiz Di Bernardo and John L. Cleasby, EE6:Dec 80: 1023:15891
Design Effluent Quality, Ralph E. Roper, Jr., Roger O. Dickey, Stephen Marman, Steve W. Kim and Robert W. Yandt, EE2:Apr 79:309:14518
Economic Analysis of Granular-Bed Filtration, Raymond D. Letterman, EE2:Apr 80:279:15337
Effectiveness of Backwashing for Wastewater Filters, John L. Cleasby and James C. Lorence, EE4:Aug 78:749:13967
Filter Backwashing by Ejector, Jerry Y.C. Huang, EE5:Oct 79:915:14890
Filtration for Treating Metal-Finishing Wastes, Charles H.H. Yeh and Mriganka M. Ghosh, EE80: July 80:546
High-Rate Filtration in Polymer-Treated Sand Bed, John J. Byeseda and Nicholas D. Sylvester, EE2: Apr 79:231:14525
Hydraulic Considerations in Declining-Rate Filtration, John L. Cleasby and Luiz Di Bernardo, EE6:Dec 80:1043:15892
Judiciously Planned Bench Scale Studies are Extremely Valuable in AWT Process Selection, Madan L. Arora, Margaret J. Bliss and Ken M. Trompeter, EE80:July 80:100
Modeling Sediment Filtration by Vegetative Filters, Billy J. Barfield and J. C. Hayes, IRKB:July 80:98
Optimum Backwashing of Sand Filters, Appiah Amirtharajah, EE5:Oct 78:917:14078
Origin and Evolution of the SCS Runoff Equation, Robert E. Rallison, IRKB:July 80:912
Stormwater and Reclaimed Effluent in Trickle Irrigation, Gideon Oron, Gedaliah Shelef and Benjamin Zur, IR4:Dec 80:299:15906
Use of Porous Dike to Reduce Entrainment and Entrapment in Power Plant Cooling Water Systems, Barry A. Ketschke, CZ80:Nov 80:649
Virus Concentration by Ultrafiltration, Yael Rotem-Borensztajn, Eliyahu Katzenelson and Georges Belfort, EE2:Apr 79:401:14536
Water System Improvement Program in Eugene, Oregon, James H. Brown, TE6:Nov 80:685:15839

Finance
Allocation of Risks—C, R. K. McFarland, CRLS:Jan 79:II-64
Atlanta's New Airport Terminal—One Year Early, Within Budget, CE:Nov 80:54
How Texas is Tackling Highway Finance and Management, CE:Nov 79:65

Financial Analysis
Future Prospects in Transportation Finance, Joseph R. Stowers and Carolyn Frank, UT79A:July 79:256

Financial Feasibility
Lake Erie Airport—Status Update, Cameron M. Smith, TE3:May 80:227:15410

Financial Management
Determining Future Needs through Fiscal Analysis, Paul S. Tischler, SU80:June 80:78

Financial Responsibility
Summary Session—A, Walter S. Douglas, CRLS:Jan 79:II-173

Financing
Airports of Micronesia - Airline Considerations, Clifford T. Argue, MGC:July 80:34
The American Highway System, Its Past and Its Future, Fred J. Benson, MGC:July 80:389
Applicability of Joint Development Tools in Detroit, Kenneth S. Opiela, Snehamay Khasnabis and Ronald G. Arbogast, UP1:Nov 80:71:15861
CAD System Developed by Urban Design Firm, Harvey H. Liss, CP80:June 80:619
Conference Summary, George R. Beetle, UT79A:July 79:1
Contractual Arrangements for Construction, Louis W. Riggs, CRLS:Jan 79:I-101
Co-ordinated Use of Facilities, Robert Schumacher, UT79A:July 79:109
Current Equipment Practices of Utility Contractors, Jimmie Hinze and W. Bradford Ashton, CO3:Sept 79:225:14816
Distribution of Urban Transportation Costs, Chris Hendrickson and John Pucher, UT79A:July 79:81
Economic of Hazard Mitigation for Transportation Structures, John J. Kozak, C080:80:85
Efficiency Through Pricing in Urban Transportation, William S. Vickrey, UT79A:July 79:120
Feasibility of Five Low-Head Hydro Projects, James V. Williamson and Anthony Wayne Pietz, EY1:Apr 80:57:15327
Future Prospects in Transportation Finance, Joseph R. Stowers and Carolyn Frank, UT79A:July 79:256
Future Prospects Re Travel Requirements and Financing, Robert A. Keith, UT79A:July 79:285
Impact of Federal Highway Policy on County Road Programs, Robert A. Larson, TE1:Jan 79:23:14319
Improving Highway Investment Programming Methods, Lance A. Neumann, TE5:Sept 80:599: 15692
National Transportation Policies Through the Year 2000, John E. Wild, UT79A:July 79:173
Problems and Options in Financing Urban Transportation, Paul K. Dygert and James M. Holec, UT79A:July 79:220
Proposed Right-of-Way Policy, William T. Wambach, Jr., Chmn., SU1:Nov 79:35:14956
Sewage Treatment Costs: Assessing the Impact on Communities, Lawrence B. Cahill and Heather L. Burns, EE80:July 80:191
State Airport Planning and Financing, Owen Miyamoto, MGC:July 80:14
A Strategy for Financing Coastal Erosion Control, Waldon R. Kerns and Janet Scheid, CZ80:Nov 80: 19
A Transportation System Optimization Model, Paul M. Schonfeld, CP80:June 80:530
Urban Transportation Financing Today, Thomas D. Larson and William C. Underwood, UT79A:July 79:5

Finegrained Soils
Resilient Properties of Subgrade Soils, Marshall R. Thompson and Quentin L. Robnett, TE1:Jan 79:71: 14293

Fineness
Particle Size Distribution Effects on Turbidity, Thomas Arthur Holstrom and Richard H. Hawkins, IRKB:July 80:283

Finishing Mills
Economics and Water Resources Planning in America, L. Douglas James and Jerry R. Rogers, WR1:Mar 79:47:14427

Finite Difference Method
Channel Routing by Finite Difference Method, Yang H. Huang, HY10:Oct 78:1379:14088
Comparison of Muskingum Method Difference Schemes, Antonis D. Koussis, TN: HY5:May 80: 925:15383
Finite Element Method for Direct Runoff Flow, Mutsuto Kawahara and Teruyuki Yokoyama, HY4: Apr 80:519:15341

Finite Differences
Composite Water Movement in a Sloping Phosphate Mine Dump, Roland W. Jeppson and Eugene E. Farmer, IRKB:July 80:855
One-Dimensional Consolidation Problems, Roy E. Olson and Charles C. Ladd, GT1:Jan 79:11:14330

Finite Element Method
Accuracy Assessment for Finite Element Stress Analysis, Ergin Citipitioglu, CP80:June 80:246
Adaptive Finite Element Procedures with A-Posteriori Estimates, Ivo Babuska, Preprint No.80-663, Oct 80, 4pp.
Blunt Crack Band Propagation in Finite Element Analysis, Zdenek P. Bazant and Luigi Cedolin, EM2:Apr 79:297:14529
Comparison of FEM Analyses for a Hyperboloidal Shell, James R. Shaver and Timothy A. Reinhold, CP80:June 80:161
Computer Applications in Geotechnical Engineering, M. S. Aggour, CP80:June 80:213
Computer Graphics as a Teaching Aid, J. T. Scardina, V. Nopratvarakorn and George R. Buchanan, CP80:June 80:430
Constant and Variable Eddy Viscosity Flow Simulations in Settling Tanks, David R. Schamber and Bruce E. Larock, HYCO:Aug 80:345
Constitutive Relations and Solution Schemes in Plastic Analysis, Subhash C. Anand, EM1:Feb 80: 21:15188
Finite Element Analysis of Box Girders, Martti J. Mikkola and Juha Paavola, ST6:June 80:1343: 15498
Finite Element Analysis of Wave Transmission in A Coastal Channel with a Bell-Mouth Entrance, T. C. Gopalakrishnan and Jerry L. Machemehl, HYUS: June 80:125
Finite Element Model for Hurricane Surge and Coastal Flooding, Jing Song Wei, Hsuan S. Chen and Jerry L. Machemehl, HYUS:June 80:205
Finite Element Modeling of Nearshore Currents, Philip La-Fan Liu and Gerard P. Lennon, WW2: May 78:175:13719
Fracture Mechanics of Reinforced Concrete, Zdenek P. Bazant and Luigi Cedolin, FIC:Oct 80:28
Ground Control for Shallow Tunnels, by Soil Grouting, David Y. Tan and G. Wayne Clough, GT9:Sept 80:1037:15716
Nonlinear Analysis of Prestressed Concrete Frames, Young-Jin Kang and Alexander C. Scordelis, ST2: Feb 80:445:15191
Numerical Analysis of Underground Structures, Charles W. Schwartz, CP80:June 80:217
A Plastic-Fracture Model for Concrete, S. S. Hsieh, Edward C. Ting and Wai F. Chen, FIC:Oct 80:50
Preliminary Analysis and Design of Shell Structures, Mark A. Ketchum and Milo S. Ketchum, Preprint No.80-581, Oct 80, 14pp.
Savings in Multiple Analysis by Using Finite Elements, Som P. Virk, CP80:June 80:186
Some Applications of the Finite Element Method for Analysing Reinforced Concrete Structures, Gerhard J. Mehlhorn, Volker Cornelius, Gunter Schmidt-Gonner and Winfried Zeitler, Preprint No.80-552, Oct 80, 16pp.

Finite Elements
Cyclic Response Prediction for Braced Steel Frames, Bruce F. Maison and Egor P. Popov, ST7:July 80: 1401:15534
Finite Element Model for Masonry, Adrian W. Page, ST8:Aug 78:1267:13957
Finite Element Studies of Collecting Plate Systems, Dennis A. Nagy and David P. Billington, ST6:June 79:1103:14650
Nonlinear Finite Element Analysis of Farm Silos, Karoon Chandrangsu and Alfred G. Bishara, ST7: July 78:1045:13907
Nonlinear Layered Timber Cylindrical Shells, Peter J. Moss, Athol J. Carr and Nicholas C. Cree-Brown, ST10:Oct 79:2019:14932
Numerical Simulation of Turbulent Stratified Flows in Surface Water Impoundments, Angelos N. Findikakis and Robert L. Street, HYCO:Aug 80: 249
Optimal Structural Design with Plate Finite Elements, Birendra Prasad and Raphael T. Haftka, ST11:Nov 79:2367:15004
Orthotropic Membrane for Tall Building Analysis, Kinh H. Ha, Paul P. Fazio and Osama Moselhi, ST9:Sept 78:1495:14033
Post-Buckling Finite Element Analysis of Flat Plates, Kuen-Yaw Shye and James Colville, ST2:Feb 79: 297:14382
Precipitator Plate Imperfections and Eccentricities, Dennis A. Nagy and David P. Billington, EY2:Aug 79:181:14747
Shear Stiffness of Concrete by Finite Elements, Michael N. Fardis and Oral Buyukozturk, ST6:June 80:1311:15463
System Identification: Review And Examples, Ken Blakely, Paul Ibanez, Shelley Griffith, Bob Cooper and John Stoessel, EM81:Jan 81:846

Fire Control
An Environmentally Acceptable Coal Port, Paul Soros and Mohammed Osman, PO80:May 80:11
Fire Management Planning in Southern California, Gary L. Boyle and Jim Retelas, IRKB:July 80:260

Fire Extinguishers
Fire Protection on Petroleum Jetty's, O. M. Slye, Jr., PO80:May 80:681

Fire Hazards
Effects of Fire on Reinforced Concrete Members, Bruce R. Ellingwood and James R. Shaver, ST11: Nov 80:2151:15802

Fire Prevention
Collapse Temperature of Steel Structures, Joel Kruppa, ST9:Sept 79:1769:14836
Fighting Fire With Concrete, K. Gene Miller, CE: Aug 79:81
Fire Management Planning in Southern California, Gary L. Boyle and Jim Retelas, IRKB:July 80:260
Fire Protection on Petroleum Jetty's, O. M. Slye, Jr., PO80:May 80:681

Fire Protection
Alyeska — Crude Loading Port, Ernest W. Brumitt and David G. Dixon, PO80:May 80:218
Fire Protection on Petroleum Jetty's, O. M. Slye, Jr., PO80:May 80:681
Response of Steel Buildings, Boris Bresler and Robert Iding, Preprint No.80-595, Oct 80, 13pp.
Temperature Effects on Epoxy Adhesives, Joseph M. Plecnik, Boris Bresler, James D. Cunningham and Robert Iding, ST1:Jan 80:99:15141
Thermal Effects on Load Capacity of Concrete Slabs, Nestor R. Iwankiw, ST7:July 79:1417:14667

Fire Resistance
Effects of Fire on Reinforced Concrete Members, Bruce R. Ellingwood and James R. Shaver, ST11: Nov 80:2151:15802

Fire Resistant Materials
Fighting Fire With Concrete, K. Gene Miller, CE: Aug 79:81

Fires
Aerial Photography in Fire Risk Assessment, Paul R. DeCicco, AS80:Aug 80:155
Fire Management Planning in Southern California, Gary L. Boyle and Jim Retelas, IRKB:July 80:260
Fire Response of Reinforced Concrete Slabs, Zuhayr Nizamuddin and Boris Bresler, ST8:Aug 79:1653: 14784
Soil Solution Chemistry and Slash Disposal, George E. Hart, Norbert V. DeByle and Robert W. Hennes, IRKB:July 80:318
Watershed Management in Action on the Boise Front, Clifton W. Johnson, Glen M. Secrist, Gerald C. Scholten and Robert J. Baum, IRKB:July 80:998

Fire Safety
Aerial Photography in Fire Risk Assessment, Paul R. DeCicco, AS80:Aug 80:155

Fire Tests
Effects of Fire on Reinforced Concrete Members, Bruce R. Ellingwood and James R. Shaver, ST11: Nov 80:2151:15802

Fiscal Policies
Determining Future Needs through Fiscal Analysis, Paul S. Tischler, SU80:June 80:78
Using Fiscal Models to Evaluate Land Plans — The Suburban Montgomery County Maryland Experience, Drew Dedrick, SU80:June 80:88

Fish and Wildlife
Fish, Flushing, and Water Quality: Their Roles in Marina Design, Rick D. Cardwell, Ronald E. Nece and Eugene P. Richey, CZ80:Nov 80:84
Marine Ecosystem Management, George W. Robertson, CZ80:Nov 80:72

Fish Conservation
Persistence of Chlorine in Cooling Water from Electric Generating Station, G. Fred Lee, EE4:Aug 79:757:14777
Proposed Gray's Reef Marine Sanctuary: A Case Study, Carrol N. Curtis and Jeannette H. Phillips, CZ80:Nov 80:1969

Fisheries
Maryland's Coastal Fisheries Program: An Overview, Mark M. Bundy, CZ80:Nov 80:931

Fishing
Balancing Fish and Fuel on Georgia's OCS, Jeannette H. Phillips and James O. Barber, CZ80:Nov 80: 1098
California Impacts of World Ocean Decisions, Robert L. Friedheim and Robert E. Bowen, CZ80:Nov 80: 980
Fishing and OCS Energy Development — Charting a Course of Compatibility, Keith G. Hay, CZ80:Nov 80:335
Keep the Mosquito Fleet in the City, Joanne Peterson, CZ80:Nov 80:51
Marine Kelp: Energy Resource in Coastal Zone, Ronald L. Ritschard and Kendall F. Haven, CZ80: Nov 80:967

Fish Management
California Impacts of World Ocean Decisions, Robert L. Friedheim and Robert E. Bowen, CZ80:Nov 80: 980
Maryland's Coastal Fisheries Program: An Overview, Mark M. Bundy, CZ80:Nov 80:931

Fish Reproduction
Fishing and OCS Energy Development — Charting a Course of Compatibility, Keith G. Hay, CZ80:Nov 80:335
U.S.-Canadian Agreement on East Coast Fisheries, Sang-Myon Rhee, CZ80:Nov 80:345

Fish Stocking
U.S.-Canadian Agreement on East Coast Fisheries, Sang-Myon Rhee, CZ80:Nov 80:345

Fishways
Connecticut River Fishways: Model Studies, Dean K. White and Bruce J. Pennino, HY7:July 80:1219: 15554

Fixed-Bed Models
Model for Design of Multicomponent Adsorption Systems, John C. Crittenden and Walter J. Weber, Jr., EE6:Dec 78:1175:14230
Organics Removal by Ion Exchange-Process Design, Christine Ann Macko and Walter J. Maier, EE80: July 80:394

Fixed Objects
Amelioration of Roadside Obstacle Crashes, Paul H. Wright and Leon S. Robertson, TE6:Nov 79:609: 14974

Fixed Structures
Inline Forces on Fixed Vertical Cylinder in Waves, Subrata K. Chakrabarti, WW2:May 80:145:15403

Fjords
Deep Water Renewal in a Subarctic Fjord, Joseph M. Colonell, Preprint No.80-046, Apr 80, 12pp.

Flanges
Selection of Steel Wide Flange Beams in Biaxial Bending (Engineer's Notebook), James M. Gere and Helmut Krawinkler, CE:June 80:91

Flashing Warning Signals
The Rail-Highway Grade Crossing Program—A State's View, Robert E. Craven, HW80:Mar 80:124

Flexibility
Application of POA to Transshipment Terminals, A. T. Yu and Daniel Mahr, PO80:May 80:126
Behavior and Design of Long-Span Metal Culverts, James M. Duncan, GT3:Mar 79:399:14429
Practical Design of Pipeline Control & Flexibility, James J. Van Houtte, C080:80:121
Shear Flexibility, Soren Lindgren, TN: ST10:Oct 79: 2117:14873
Simplified Design of Corrugated Shear Diaphragms, Kinh H. Ha, Noor El-Hakim and Paul P. Fazio, ST7:July 79:1365:14681

Flexible Pavements
Pavement Analysis by Programmable Calculators, Per Ullidtz and Kenneth R. Peattie, TE5:Sept 80:581: 15682
Slow Trend for Asphalt with H_2O, John J. Carroll and Donald M. Harriott, CE:Oct 79:76
Sulphur Asphalt Field Trials in Texas, Bob M. Gallaway and Fred J. Benson, MGC:July 80:366

Flexible Pipes
Estimating Supporting Strength of Flexible Pipes, Otto Brody, TE4:July 79:473:14716
Water Conveyance Pipelines in Expansive Soil, Robin C. Rocklin, SLS:June 80:477

Flexural Strength
Direct Flexural Design of Prestressed Concrete, David S. Hatcher, ST8:Aug 78:1231:13958
The Effects of Static Loads on Dynamic Response, Som P. Virk, CP80:June 80:132
Flexural Rotational Capacity of Spandrel Beams, Alfred G. Bishara, Larry Londot, Peter Au and Majety V. Sastry, ST1:Jan 79:147:14325
Shear Centers, Wan T. Tsai, TN: EM5:Oct 79:893: 14871

Floating Bodies
Analysis of Floating Bridges: The Hood Canal Bridge, Rene W. Luft, EM81:Jan 81:1
Bottom Supported Terminal — Dravo Preload Concept, D. S. Hill, PO80:May 80:316
Dynamic Behavior of Floating Storage Vessel, Robert A. Naftzger and Subrata K. Chakrabarti, WW2:May 80:157:15401
Dynamic Response Of Floating Bridge To Wave Forces, Charles H. Beauchamp and Dominique N. Brocard, EM81:Jan 81:46
Dynamic Response of the hood Canal Floating Bridge, B. J. Hartz, EM81:Jan 81:16
Dynamic Responses of Floating Structures, Jun G. Chao, WW2:May 78:105:13769
Floating Piers, Gregory P. Tsinker and Eugene Vernigora, PO80:May 80:230
Floating Terminal for Storage and Sendout of LNG, Gene Anspach, Robert Baseler and Rolf Glasfeld, PO80:May 80:296
Renovation of New York Harbor, Theodore Civetta, Jr. and Philip C. Sears, CZ80:Nov 80:898

Steady and Oscillating Drift Forces on Floating Objects, Subrata K. Chakrabarti, WW2:May 80:205: 15390

Floating Ice
Floating Ice Platforms: Offshore Oil Exploration, D. M. Masterson and H. R. Kivisild, ST1:Jan 80:133: 15101

Flocculants
Applicability of Kynch Theory to Flocculent Suspensions, Byong S. Shin and Richard I. Dick, EE3:June 80:505:15461

Flocculating
Chemical Flocculation in Coal Mine Sediment Ponds, John S. Tapp, Billy J. Barfield and Edward G. Foree, IRKB:July 80:615
Debris Flow on Prismatic Open Channel, Tamotsu Takahashi, HY3:Mar 80:381:15245
Dynamics of Growth and Breakage of Alum Floc in Presence of Fluid Shear, John D. Boadway, EE5: Oct 78:901:14084
Kinetic Model for Flocculation with Polymers, Peter M. Huck and Keith L. Murphy, EE4:Aug 78:767: 13950

Flocculation
A Design Model for Sediment Control on Mined Lands, Billy J. Barfield, L. G. Wells, B. Wilson, John S. Tapp and R. A. Uhl, IRKB:July 80:628
Judiciously Planned Bench Scale Studies are Extremely Valuable in AWT Process Selection, Madan L. Arora, Margaret J. Bliss and Ken M. Trompeter, EE80:July 80:100
Pretreatment Case Studies of Metal Finishers, John E. Eason, EE80:July 80:229
A Review of Design Fundamentals is Needed, Mark J. Hammer, EE80:July 80:167
Virus Concentration by Ultrafiltration, Yael Rotem-Borensztajn, Eliyahu Katzenelson and Georges Belfort, EE2:Apr 79:401:14536

Flood Control
Approximate Method for Quick Flood Plain Mapping, Roy F. Powell, L. Douglas James and D. Earl Jones, Jr., WR1:Mar 80:103:15243
Changing Needs in Urban Flood Forecasting, L. Scott Tucker, EFHYF:Mar 79:295
Corps Takes New Approach to Flood Control, Frank Notardonato and Arthur F. Doyle, CE:June 79:65
Current Practice In Managing Coastal Flood Hazards, Steven P. French and Raymond J. Burby, CZ80:Nov 80:1204
Delaware River Basin Water Resources Management, Cecil H.J. Hull, WR1:Nov 78:157:14166
Detention Storage for Urban Flood Control, David P. Smith, Jr. and Philip B. Bedient, WR2:July 80:413: 15555
Downstream Effects of Stormwater Management Basins, Richard H. McCuen, HY11:Nov 79:1343: 14977
Dual-Purpose Detention Basins, William Whipple, Jr., WR2:Sept 79:403:14860
Economic Model for Urban Watersheds, Thomas N. Debo and Gerald N. Day, HY4:Apr 80:475:15333
Evaluation of Alternative Stormwater Detention Policies, Gregory E. Kamedulski and Richard H. McCuen, WR2:Sept 79:171:14806
Flood Emergency Evacuation Plans, Ronald E. Hilton, CZ80:Nov 80:1188
Flood Insurance Program: Regional Agency's Perspective, Stuart G. Walesh, WR2:Sept 79:243: 14826
Flood Management for Small Urban Streams, William Whipple, Jr., WR2:Nov 77:315:13370
Flood Mitigation Planning Using HEC-SAM, Darryl W. Davis, SU80:June 80:113
Flood-Plain Management in Dallas, Tex.: 1908-1978, Monroe McCorkle and Albert H. Halff, HY2:Feb 79:125:14346
Groundwater Recharge: Economic Benefit Quantified, Lonnie D. Schardt, IRKB:July 80:129
Guaranteeing Public Access in Publicity-Funded Shoreline Projects, Kenneth C. Caldwell, CZ80:Nov 80:1397
Hydraulic Features from River Flood Photography, A. B. Long, ASDC:80:76
Influences on Plans for the Santa Ana River Channel Mouth, Fala Powers, CZ80:Nov 80:1173
Interactive Nonstructural Flood-Control Planning, David T. Ford, CP80:June 80:331
Laguna de Bay Water Resources Development, Ernest Pariset, EE6:Dec 77:1021:13420
Managing Storm Runoff in Chicago Area, Bart T. Lynam, Forrest C. Neil and Frank E. Dalton, TC2: Dec 79:401:15035
Nutrient-Uptake Model in Marsh Ecosystems, Lawrence A. Burns and R. Bruce Taylor, III, TC1: Apr 79:177:14540
Potamology in 1932: Lower Mississippi River, Leo M. Odom, WW4:Nov 79:405:14993
Practices and Problems in Flood Plain Management, L. Scott Tucker, EFHYF:Mar 79:333
Probability Analysis of Historical Flood Data, Robert Gerard and Edward W. Karpuk, HY9:Sept 79:1153: 14834
The Role of the Corps in Port Development, Douglas L. Haller, PO80:May 80:726
Service-Wide Earthwork — A Software Team Effort, Gordon J. Serpa and Duane W. Chamot, CP80: June 80:357
Synthetic Hydrologic Information - A Case Study, Krishan P. Singh, HY10:Oct 79:1257:14922
Temporary Detention Cuts Storm Flow Peaks, Ayoub Talhami, CE:Dec 80:72
Tidal Hydraulics in Estuarine Channels, Robert M. Snyder, HY2:Feb 80:237:15202
Urban Flood Management: Problems and Research Needs, David H. Howells, WR2:Nov 77:193:13325
Urban Runoff Pollution and Water Quality Planning, William Whipple, Jr., TC1:Aug 80:101:15632
Uses of Small Format Aerial Photography, R. H. Kinsey, ASDC:80:63

Flood Damage
Corps Takes New Approach to Flood Control, Frank Notardonato and Arthur F. Doyle, CE:June 79:65
Current Practice In Managing Coastal Flood Hazards, Steven P. French and Raymond J. Burby, CZ80:Nov 80:1204
Flood Emergency Evacuation Plans, Ronald E. Hilton, CZ80:Nov 80:1188
Flood Hydrograph and Peak Flow Frequency Analysis, Arlen D. Feldman, EFHYF:Mar 79:1
Flood Studies Led to National Flood Insurance, George W. Edelen, Jr., George E. Ferguson and Walter B. Langbein, CE:Feb 79:89
Optimal Design of Culverts under Uncertainties, Larry W. Mays, HY5:May 79:443:14572
Practices and Problems in Flood Plain Management, L. Scott Tucker, EFHYF:Mar 79:333
River Murray Flooding, D. T. Curry and D. J. Dole, ASDC:80:41
Suite of Mathematical Flood Plain Models, Heinz Willi Weiss and Desmond Clifford Midgley, HY3: Mar 78:361:13604
Urban Development and Flood Hazards at Shepparton, N. W. Tappe, ASDC:80:213
Urban Flood Management: Problems and Research Needs, David H. Howells, WR2:Nov 77:193:13325
Washington's Automated Coastal Data Base: The Coastal Zone Atlas, Sue Wenke and Marc Horton, CZ80:Nov 80:2291

Flood Forecasting
Changing Needs in Urban Flood Forecasting, L. Scott Tucker, EFHYF:Mar 79:295
Flood Management for Small Urban Streams, William Whipple, Jr., WR2:Nov 77:315:13370
New Routing Model for Continuous Runoff Simulation, M. S.K. Chowdhury and F. C. Bell, HY4:Apr 80:489:15357
Streamflow Network in The Province of Alberta, 1980, Hans Ryckborst, IRKA:July 80:63

Flood Frequency
Flood Flow Frequency by SCS-TR-20 Computer Program, Vaiyapuri Danushkodi, HY9:Sept 79: 1123:14818
Flood Frequency Analysis by Power Transformation, Subhash Chander, S. K. Spolia and Arun Kumar, HY11:Nov 78:1495:14179
Flood Frequency Estimates on Alluvial Fans, David R. Dawdy, HY11:Nov 79:1407:15001
Flood Frequency Modeling and Outliers, Krishan P. Singh, HYCO:Aug 80:74
Flood Hydrograph and Peak Flow Frequency Analysis, Arlen D. Feldman, EFHYF:Mar 79:1
Flood Plain Management Needs, G. R. Phippen, EFHYF:Mar 79:322
Geomorphic Evidence of Frequent and Extreme Floods, James C. Knox, EFHYF:Mar 79:220
Improved Watershed Management using Remote Sensing, Albert Rango, IRKB:July 80:1019
Log Pearson Type 3 Distribution: A Generalized Evaluation, Donthamsetti Veerabhadra Rao, HY5: May 80:853:15391
Log Pearson Type 3 Distribution: Method of Mixed Moments, Donthamsetti Veerabhadra Rao, HY6: June 80:999:15477
Map Skew, Richard H. McCuen, WR2:Sept 79:269: 14840
Myths and Uses of Hydrometeorology in Forecasting, Gene E. Willeke, EFHYF:Mar 79:117
The STS Method for Flood Frequency Estimation, Mark Wildermuth, HYUS:June 80:66

Flood Hydrology
Flood Hydrograph and Peak Flow Frequency Analysis, Arlen D. Feldman, EFHYF:Mar 79:1

Flooding
Analysis of Combined Rainfall-Hurricane Surge Frequencies, M. Aziz Tayfun and Jerry L. Machemehl, HYUS:June 80:15
The Benefits of Uncertainty: Probability in Short and Long Term Hydrologic Forecasting, Rafael L. Bras, EFHYF:Mar 79:141
Changing Needs in Urban Flood Forecasting, L. Scott Tucker, EFHYF:Mar 79:295
Coastal Flooding in Metropolitan New York: A Case Study, Robert S. Taylor, Sue Ann Hanson and Stergios A. Dendrou, HYUS:June 80:316
Coastal Flooding of Tidal Estuaries, Shing S.T. Schluchter and M. Teubner, HYUS:June 80:275
Current Practice in Managing Coastal Flood Hazards, Steven P. French and Raymond J. Burby, CZ80:Nov 80:1204
Curve Numbers from Watershed Data, Everett P. Springer, Bruce J. McGurk, Richard H. Hawkins and George B. Coltharp, IRKB:July 80:938
Divergent Flow in the Vicinity of a Breached Dam, Nikolaos D. Katopodes, HYCO:Aug 80:310
Drainage in the Humid Region of the Pacific Northwest, Gordon W. Stroup and Donald L. Stettler, IRKA:July 80:251
Evaluating Wetlands: Status and Needs, John J. Balco, CZ80:Nov 80:494
Finite Element Model for Hurricane Surge and Coastal Flooding, Jing Song Wei, Hsuan S. Chen and Jerry L. Machemehl, HYUS:June 80:205
Flood Analysis by Smemax Tranformation - A Review, Kuppuswamy Venugopal, TN: HY2:Feb 80:338:15165
Flood Emergency Evacuation Plans, Ronald E. Hilton, HYUS:June 80:56
Flood Frequency Modeling and Outliers, Krishan P. Singh, HYCO:Aug 80:74
Flood Hydrograph and Peak Flow Frequency Analysis, Arlen D. Feldman, EFHYF:Mar 79:1
Friction Factors in Flooding Due to Hurricanes, Bent A. Christensen and Raymond Walton, HYUS:June 80:265
Friction Factors in Storm Surges over Inland Areas, Raymond Walton and Bent A. Christensen, WW2: May 80:261:15439
Geomorphic Evidence of Frequent and Extreme Floods, James C. Knox, EFHYF:Mar 79:220
Great Lakes Storm Surge Flood Forecasting Methods, Keith W. Bedford, Mark D. Prater and Steven Dingman, HYUS:June 80:289
Hydrologic/Economic Systems in Watershed Research, David G. Carvey and James G. Robb, IRKB:July 80:1036
Improved Hydrologic Forecasting—Why and How, William P. Henry, Chmn., EFHYF:Mar 79
Influence of Storm Type and Urbanization on Tidal Flooding, Armando Balloffet and Michael L. Scheffler, CZ80:Nov 80:2256
Joint Occurrences in Coastal Flooding, M. Aziz Tayfun, WW2:May 79:107:14560
Local Assistance: A Problem in Translation, Stephen Olsen, CZ80:Nov 80:1510
Locally Important Economic Considerations in Flooding and Flood Plain Management, D. Earl Jones, Jr., EFHYF:Mar 79:352
Muskingum-Cunge Method with Variable Parameters, Victor Miguel Ponce and Vujica Yevjevich, TN: HY12:Dec 78:1663:14199
Myths and Uses of Hydrometeorology in Forecasting, Gene E. Willeke, EFHYF:Mar 79:117
New Approach to Storm Drainage Pipe Design, Gary Lockwood, CE:Mar 80:59
Northeaster Model and Application to Coastal Flooding, Yun Jui Tsai, D. M. Crocker, T. J. Burda and Fang-Kuo Chou, HYUS:June 80:255
A Note on Joint Probability of Surge and Rainfall, Fei Fan Yeh, HYUS:June 80:1
Optimal Sequence of Incremental Precipitation, Anand Prakash, TN: HY12:Dec 78:1668:14199
Planning For User Oriented Hydrologic Forecasts, L. Douglas James, EFHYF:Mar 79:101
Regional Coastal Zone Management Coordination: Dealing with Coastal Flooding on New England, Steven L. Colman, CZ80:Nov 80:1216
River Murray Flooding, D. T. Curry and D. J. Dole, ASDC:80:41
Second Moment—Inference Analysis Approach for Probability Evaluation of Storm Surges, Stergios A. Dendrou, Robert S. Taylor and Basile A. Dendrou, HYUS:June 80:23
Session I—Analytic Techniques in Hydrology—State-of-the-Art, John J. Cassidy, EFHYF:Mar 79:414
Session IV—Non-Meteorologic Data, William R. Boggess, EFHYF:Mar 79:422
Session VII—Flooding and Flood Plain Management, David R. Dawdy, EFHYF:Mar 79:428
Spectral Wave Set-up and Run-up, F. H.Y. Wu, J. Ian Collins and David J. Divoky, HYUS:June 80: 327
Stormwater Management In Coastal North Carolina, Neil S. Grigg, Alfred M. Duda and John Morris, HYUS:June 80:33
Techniques and Experiences in the Utilization of Unsteady Open-Channel Flow Models, Chintu Lai, Robert A. Baltzer and Raymond W. Schaffranek, HYCO:Aug 80:177
Unpredicted Rapid Erosion, Tybee Island, Georgia, Frank H. Posey, Jr. and F. Wade Seyle, Jr., CZ80: Nov 80:1869
Urban Development and Flood Hazards at Shepparton, N. W. Tappe, ASDC:80:213
Water Control Difficulties Through Flooded Lakes Systems, Donald John Blackmore, ASDC:80:69

Flood Irrigation
Bayesian Analysis of Energy Prices on Irrigation, Richard J. McAniff, Marshall Flug and James Wade, WR2:July 80:401:15548

Flood Peaks
Flood Frequency Modeling and Outliers, Krishan P. Singh, HYCO:Aug 80:74

Flood Plain Insurance
Alternatives for Standards and Regulations, Brian R. Mrazik and Richard W. Krimm, EFHYF:Mar 79: 375
Coastal Flooding in Metropolitan New York: A Case Study, Robert S. Taylor, Sue Ann Hanson and Stergios A. Dendrou, HYUS:June 80:316

Current Practice In Managing Coastal Flood Hazards, Steven P. French and Raymond J. Burby, CZ80:Nov 80:1204
Flood Frequency Estimates on Alluvial Fans, David R. Dawdy, HY11:Nov 79:1407:15001
Flood Hydrograph and Peak Flow Frequency Analysis, Arlen D. Feldman, EFHYF:Mar 79:1
Flood Insurance Program: Regional Agency's Perspective, Stuart G. Walesh, WR2:Sept 79:243:14826
Flood Studies Led to National Flood Insurance, George W. Edelen, Jr., George E. Ferguson and Walter B. Langbein, CE:Feb 79:89
Impact of Hydrologic Uncertainties on Flood Insurance, Leo R. Beard, HY11:Nov 78:1473:14168
Practices and Problems in Flood Plain Management, L. Scott Tucker, EFHYF:Mar 79:333
Regional Coastal Zone Management Coordination: Dealing with Coastal Flooding on New England, Steven L. Colman, CZ80:Nov 80:1216
Synthetic Storm Induced Water Level Statistics, Michael J. McCarthy and Edward J. Schmeltz, HYUS:June 80:83
Urban Flood Management: Problems and Research Needs, David H. Howells, WR2:Nov 77:193:13325

Flood Plain Planning

Alternatives for Standards and Regulations, Brian R. Mrazik and Richard W. Krimm, EFHYF:Mar 79:375
Flood Plain Management Needs, G. R. Phippen, EFHYF:Mar 79:322
Floodplain Management: New Federal Groundrules, Timothy E. Maywalt, CZ80:Nov 80:1200
Interactive Nonstructural Flood-Control Planning, David T. Ford, CP80:June 80:331
Locally Important Economic Considerations in Flooding and Flood Plain Management, D. Earl Jones, Jr., EFHYF:Mar 79:352
Practices and Problems in Flood Plain Management, L. Scott Tucker, EFHYF:Mar 79:333
Urban Development and Flood Hazards at Shepparton, N. W. Tappe, ASDC:80:213

Flood Plain Regulation

Changes to a Flood Plain Caused by Gold Dredging, W. A. Morris, ASDC:80:220
Flood Mitigation Planning Using HEC-SAM, Darryl W. Davis, SU80:June 80:113
Flood Plain Management Needs, G. R. Phippen, EFHYF:Mar 79:322
Flood Studies Led to National Flood Insurance, George W. Edelen, Jr., George E. Ferguson and Walter B. Langbein, CE:Feb 79:89
Improved Hydrologic Forecasting—Why and How, William P. Henry, Chmn., EFHYF:Mar 79
Urban Development and Flood Hazards at Shepparton, N. W. Tappe, ASDC:80:213

Flood Plains

Attitude, Guidelines, and Technology in Plan Formulation, William K. Johnson, EFHYF:Mar 79:342
Case History: Pile Foundation in Flood Plain Soils, K. A. Kessler, GTDF:80:215
Changing Needs in Urban Flood Forecasting, L. Scott Tucker, EFHYF:Mar 79:295
Flood Plain Management Needs, G. R. Phippen, EFHYF:Mar 79:322
Friction Factors in Flooding Due to Hurricanes, Bent A. Christensen and Raymond Walton, HYUS:June 80:265
Geomorphic Evidence of Frequent and Extreme Floods, James C. Knox, EFHYF:Mar 79:220
Hydraulic Geometry Coefficients of Floodplains, Nani G. Bhowmik, HYCO:Aug 80:86
Landsat Imagery for Hydrologic Modeling?, Richard S. Taylor, Robert P. Shubinski and T. S. George, AS80:Aug 80:44
Locally Important Economic Considerations in Flooding and Flood Plain Management, D. Earl Jones, Jr., EFHYF:Mar 79:352
Practices and Problems in Flood Plain Management, L. Scott Tucker, EFHYF:Mar 79:333
Session VII—Flooding and Flood Plain Management, David R. Dawdy, EFHYF:Mar 79:428
Session VIII—Environmental Applications, Michael B. Sonnen, EFHYF:Mar 79:430

Flood Plain Studies

Approximate Method for Quick Flood Plain Mapping, Roy F. Powell, L. Douglas James and D. Earl Jones, Jr., WR1:Mar 80:103:15243
Changes to a Flood Plain Caused by Gold Dredging, W. A. Morris, ASDC:80:220
Flood-Plain Management in Dallas, Tex.: 1908-1978, Monroe McCorkle and Albert H. Halff, HY2:Feb 79:125:14346
Flood Studies Led to National Flood Insurance, George W. Edelen, Jr., George E. Ferguson and Walter B. Langbein, CE:Feb 79:89
Interactive Nonstructural Flood-Control Planning, David T. Ford, CP80:June 80:331
Locally Important Economic Considerations in Flooding and Flood Plain Management, D. Earl Jones, Jr., EFHYF:Mar 79:352
Modeling Of River Floodplains As Networks, Kenneth R. Avery, CP80:June 80:286
Practices and Problems in Flood Plain Management, L. Scott Tucker, EFHYF:Mar 79:333
Second Moment—Inference Analysis Approach for Probability Evaluation of Storm Surges, Stergios A. Dendrou, Robert S. Taylor and Basile A. Dendrou, HYUS:June 80:23

Flood Plain Zoning

Urban Flood Management: Problems and Research Needs, David H. Howells, WR2:Nov 77:193:13325

Flood Routing

Approximate Flood Routing Methods: A Review, P. Erwin Weinmann and Eric M. Laurenson, HY12:Dec 79:1521:15057
Channel Routing by Finite Difference Method, Yang H. Huang, HY10:Oct 78:1379:14088
Flood Management for Small Urban Streams, William Whipple, Jr., WR2:Nov 77:315:13370
Flood Routing by Characteristic Methods, Kathirithamby Sivaloganathan, HY7:July 78:1075:13866
Flow Routing in Tailwater Streams, Michael G. Ferrick, HYCO:Aug 80:192
Inaccuracies in the Characteristics Method, E. Benjamin Wylie, HYCO:Aug 80:165
Muskingum-Cunge Method with Variable Parameters, Victor Miguel Ponce and Vujica Yevjevich, TN:HY12:Dec 78:1663:14199
New Routing Model for Continuous Runoff Simulation, M. S.K. Chowdhury and F. C. Bell, HY4:Apr 80:489:15357
Suite of Mathematical Flood Plain Models, Heinz Willi Weiss and Desmond Clifford Midgley, HY3:Mar 78:361:13604

Floods

Changing Needs in Urban Flood Forecasting, L. Scott Tucker, EFHYF:Mar 79:295
Comparison of HEC 1 & TR 20 Programs, Muthusamy Krishnamurthy and W. Tracy Lenocker, HYUS:June 80:92
Dam-Break Wave Model: Formulation and Verification, Cheng-lung Chen and Jeffrey T. Armbruster, HY5:May 80:747:15395
Evaluating Wetlands: Status and Needs, John J. Balco, CZ80:Nov 80:494
Finite Element Method for Direct Runoff Flow, Mutsuto Kawahara and Teruyuki Yokoyama, HY4:Apr 80:519:15341
Flood Analysis by Smemax Tranformation - A Review, Kuppuswamy Venugopal, TN: HY2:Feb 80:338:15165
Flood Flow Frequency by SCS-TR-20 Computer Program, Vaiyapuri Danushkodi, HY9:Sept 79:1123:14818
Flood Frequency Analysis by Power Transformation, Subhash Chander, S. K. Spolia and Arun Kumar, HY11:Nov 78:1495:14179

Flood Frequency Estimates on Alluvial Fans, David R. Dawdy, HY11:Nov 79:1407:15001
Flood Management for Small Urban Streams, William Whipple, Jr., WR2:Nov 77:315:13370
Flood Routing by Characteristic Methods, Kathirithamby Sivaloganathan, HY7:July 78:1075:13866
Geomorphic Evidence of Frequent and Extreme Floods, James C. Knox, EFHYF:Mar 79:220
Hydraulic Features from River Flood Photography, A. B. Long, ASDC:80:76
Hydraulic Geometry Coefficients of Floodplains, Nani G. Bhowmik, HYCO:Aug 80:86
Hydrologic Impact of Small Depressional Watersheds, Curtis L. Moore and Larson, IR4:Dec 80:345:15937
Inland Routing of Hurricane Surges in Wetlands, Armando I. Perez, Robert Laura, John D. Wang and Bernard LeMehaute, HYUS:June 80:347
Laboratory Measurement of Sediment by Turbidity, Peter R.B. Ward and Remigio Chikwanha, HY6:June 80:1041:15470
Laboratory Verification of a Dam-Break Flood Model, Cheng-lung Chen, HY4:Apr 80:535:15324
Locally Important Economic Considerations in Flooding and Flood Plain Management, D. Earl Jones, Jr., EFHYF:Mar 79:352
Mathematical Simulation of Dam-Break Flow, Rudi Rajar, HY7:July 78:1011:13883
Probability Analysis of Historical Flood Data, Robert Gerard and Edward W. Karpuk, HY9:Sept 79:1153:14834
Remote Sensing for Water Resource Surveys, R. H. Kinsey, ASDC:80:55
Satellite Data Collection Platforms in River and Flood Forecasting, Allen F. Flanders and J. W. Schiesl, ASDC:80:300
Satellites as Aid to Water Resource Managers, David F. McGinnis, Jr., Roderick A. Scofield, Stanley R. Schneider and Craig P. Berg, WR1:Mar 80:1:15244
Session I—Analytic Techniques in Hydrology—State-of-the-Art, John J. Cassidy, EFHYF:Mar 79:414
Session VI—Changing Needs in Hydrologic Forecasting, William P. Henry, EFHYF:Mar 79:426
Session VII—Flooding and Flood Plain Management, David R. Dawdy, EFHYF:Mar 79:428
Time-Dependent Stochastic Model of Floods, Michel North, HY5:May 80:649:15405
Two-Dimensional Shallow Water-Wave Models, Nikolaos D. Katopodes and Theodor Strelkoff, EM2:Apr 79:317:14532
Urban Development and Flood Hazards at Shepparton, N. W. Tappe, ASDC:80:213
Uses of Small Format Aerial Photography, R. H. Kinsey, ASDC:80:63
Watershed Management in Action on the Boise Front, Clifton W. Johnson, Glen M. Secrist, Gerald C. Scholten and Robert J. Baum, IRKB:July 80:998

Flood Stages

Hydraulic Geometry Coefficients of Floodplains, Nani G. Bhowmik, HYCO:Aug 80:86

Floodwater

Muskingum-Cunge Method with Variable Parameters, Victor Miguel Ponce and Vujica Yevjevich, TN:HY12:Dec 78:1663:14199
Proposed Improvements to East Matagorda Bay, Texas, Jack Moger, HYUS:June 80:398

Flood Waves

Two-Dimensional Shallow Water-Wave Models, Nikolaos D. Katopodes and Theodor Strelkoff, EM2:Apr 79:317:14532

Floodways

Flood-Plain Management in Dallas, Tex.: 1908-1978, Monroe McCorkle and Albert H. Halff, HY2:Feb 79:125:14346

Floors

Damping Of A Floor Sample, Johann H. Rainer and Gerald Pernica, EM81:Jan 81:859
Fatigue Experiments on Composite Slab Floors, Murray C. Temple and George Abdel-Sayed, ST7:July 79:1435:14676
Partial Composite Action in Diaphragms, Rafik Y. Itani and Girish S. Hiremath, EM4:Aug 80:739:15624
Seismic Design Input for Secondary Systems, Mahendra P. Singh, ST2:Feb 80:505:15207
Simplified Investigation of Floors under Foot Traffic, Rachel Becker, ST11:Nov 80:2221:15804
Statistics of Extreme of Live Load on Buildings, Yi-Kwei Wen, ST10:Oct 79:1893:14886
Two-Way Flexure of Steel-Deck-Reinforced Slabs, Charles R. Kubic and J. Hartley Daniels, ST6:June 79:1039:14633
Ultimate Resistance of a Full-Scale Floor System, Anatole Longinow and R. P. Joyce, Preprint No.80-083, Apr 80, 24pp.

Florida

Coral Reef Protection During Beach Restoration in Florida, Richard Spadoni and Arthur V. Strock, CZ80:Nov 80:152
Cost Estimating System Used on Dade County Rapid Transit System, Joseph E. Baumie, Preprint No.80-627, Oct 80, 17pp.
Creating a State Professional School of Civil Engineering, Charles W. Matheny, Jr., El4:Oct 80:373:15772
Dade County Beach Erosion Control and Hurricane Protection Project, James W. R. Adams, Preprint No.80-600, Oct 80, 11pp.
The Dade County On-Board Survey, Ira M. Sheskin, Gary S. Spivack and Peter R. Stopher, Preprint No.80-659, Oct 80, 13pp.
Drainage Density as Index of Watershed Development, Philip B. Bedient, Wayne C. Huber and James P. Heaney, IR4:Dec 78:373:14249
The East Everglades: Perservation Versus Land Use, Richard Collier, Jr., CZ80:Nov 80:2150
Economic Issues of Growth Management in Florida, James C. Nicholas, Preprint No.80-611, Oct 80, 9pp.
Effect of Forestry Practices in Florida Watersheds, H. Riekerk, B. F. Swindel and John A. Replogle, IRKB:July 80:706
Effluent Irrigation of Coastal Bermuda Grass, Allen R. Overman, EE1:Feb 79:55:14359
Endangered Species: Compatibility with a Utility, J. Ross Wilcox, CZ80:Nov 80:179
Environmental Model of Kissimmee River Basin, Philip B. Bedient, Wayne C. Huber and James P. Heaney, WR2:Nov 77:241:13326
The Fort Lauderdale Tornado of May 24th, 1979, Herbert S. Saffir, Preprint No.80-524, Oct 80, 10pp.
Largest Rotating Biological Contactor Plant Also First to Remove Nitrogen, Eugene E. Dallaire, CE:Jan 79:70
A Local Endangered Species Program — Florida Manatee, *Trichechus manatus*, Diane D. Barile, CZ80:Nov 80:186
Management Scheduling Techniques Used on the Dade County Rapid Transit System, Ronald S. Steiner, Preprint No.80-515, Oct 80, 12pp.
Mapping and Surveying Florida's Submerged Lands, George M. Cole, CZ80:Nov 80:549
Miami Limestone Foundation Design and Construction, Richard T. Reynolds and Thomas J. Kaderabek, Preprint No.80-546, Oct 80, 17pp.
Miami Riot—Will a Phoenix Rise from Ashes?, CE:Aug 80:76
The Need for On-Site Sewage Disposal in South Florida, Eleazer L. Greenstein, Preprint No.80-566, Oct 80, 3pp.
Nutrient Reduction Alternatives, Lake Okeechobee, Florida, J. Steve Reel, Preprint No.80-580, Oct 80, 14pp.
Optimization of Stormwater Management Practices, Mark M. Calabrese, HYUS:June 80:183
Planning for Beach Restoration in South Florida, Thomas J. Campbell, Richard Spadoni, Kim Beachler and John Morgan, Preprint No.80-670, Oct 80, 8pp.

A Planning Procedure for the East Everglades, Narendra Juneja, CZ80:Nov 80:1574
Scientific Collecting in South Florida: Problems with Permits, Eugene A. Shinn, CZ80:Nov 80:2017
Shuttle Diplomacy and the Other Side of Coastal Management, Louis C. Burney, CZ80:Nov 80:1002
A Solute Transport Model for Tidal Canal Networks, Raymond Walton and Bent A. Christensen, HYUS: June 80:142
Spoil Islands: Determining How Local Governments Can Manage Them, Mark L. Gumula and R. Grant Gilmore, CZ80:Nov 80:2236
Water Resources and Growth Management in South Florida, Stanley W. Hole and Peter B. Rhoads, Preprint No.80-569, Oct 80, 9pp.

Flotation
Honolulu Sewage Plant Pioneers Advanced Primary Treatment, Has Deepest Ocean Outfall, Wallace S. Miyahira and Stanley T. Yamanaka, Jr., CE:June 79:76

Flow
Constant and Variable Eddy Viscosity Flow Simulations in Settling Tanks, David R. Schamber and Bruce E. Larock, HYCO:Aug 80:345
Engineer's Notebook: Graphs for Saline Wedges in Estuaries, Emmanuel Partheniades, Vassilios Dermisis and Ashish J. Mehta, CE:Jan 80:90
Session I—Analytic Techniques in Hydrology—State-of-the-Art, John J. Cassidy, EFHYF:Mar 79:414

Flow Characteristics
Reinforced Thermosetting Resin Pipe, B. Jay Schrock, Chmn., TE2:Mar 79:165:14450
Steady Flow Past Prism in Rectangular Conduit, Clyde C.K. Kwok and Pai Mow Lee, HY7:July 79: 845:14697

Flow Control
Urban Storm Sewer Flows in Coastal Areas, Chintu Lai, HYUS:June 80:244

Flow Distribution
Hydraulic Design of Flow Distribution Channels, Junn-Ling Chao and R. Rhodes Trussell, EE2:Apr 80:321:15317
Linear Theory Methods for Pipe Network Analysis, Lewis T. Isaacs and Kevin G. Mills, HY7:July 80: 1191:15559
Wintertime Flow Distribution in River Channels, Hung Tao Shen and Norbert L. Ackermann, HY5: May 80:805:15427

Flow Duration Curves
Nutrient Budget Analysis for Rend Lake in Illinois, Veerasamy Kothandaraman and Ralph L. Evans, EE3:June 79:547:14616

Flow Measurement
Contamination in the Hydrologic Data Base, Robert J.C. Burnash and R. Larry Ferral, EFHYF:Mar 79: 303
Long-Term Impacts of Surface Mining on Streamflow, R. C. Sidle and H. A. Menser, IRKB: July 80:598
Modified Broad-Crested Weirs for Lined Canals, John A. Replogle and Albert J. Clemmens, IRKA: July 80:463

Flow Nets
Flow Net for Unsaturated Infiltration from Strip Source, Vedat Batu, IR3:Sept 79:233:14822

Flow Patterns
Coastal Flooding of Tidal Estuaries, Shing S.T. Schluchter and M. Teubner, HYUS:June 80:275
Effect of Dock Resistance on Tanker Mooring Forces, Daryl B. Simons, Yung Hai Chen and Lawrence J. Swenson, HYCO:Aug 80:419
Ideal Flow Patterns for Equalization Basins, Ely Anthony R. Ouano, TN: EE4:Aug 78:817:13913
A One-Dimensional Flow Model of the Potomac River, Raymond W. Schaffranek and Robert A. Baltzer, HYCO:Aug 80:292

Flow Profiles
Varied Flow Functions for Circular Channels, Chandramouli Nalluri and John H. Tomlinson, HY7:July 78:983:13889

Flow Rate
Determining Instream-Flow Needs on Public Lands, Mike Whittington and Bruce Van Haveren, IRKA: July 80:36
Drip Irrigation Design Equations, Victor A. Gillespie, Allan L. Phillips and I-Pai Wu, IR3:Sept 79:247: 14819
Effect of Dock Resistance on Tanker Mooring Forces, Daryl B. Simons, Yung Hai Chen and Lawrence J. Swenson, HYCO:Aug 80:419
Flow Regime in Helical Long-Path Emitters, S. Tal and Benjamin Zur, IR1:Mar 80:27:15291

Flow Rates
Hydraulic Features from River Flood Photography, A. B. Long, ASDC:80:76

Flow Resistance
Bedform Spacing and Flow Resistance, Timothy R.H. Davies, HY3:Mar 80:423:15258
Biomechanics of Vegetative Channel Linings, Nicholas Kouwen and Ruh-Ming Li, HY6:June 80: 1085:15464
Dividing-Flow Manifolds with Square-Edged Laterals, Herbert E. Hudson, Jr., Robert B. Uhler and Robert W. Bailey, EE4:Aug 79:745:14764
Effective Depth in Channels Having Bed Undulations, Chittoor R.S. Pillai, HY1:Jan 79:67: 14336
Flow Resistance in Cobble and Boulder Riverbeds, Daryl B. Simons, Khalid S. Al-Shaikh-Ali and Ruh-Ming Li, HY5:May 79:477:14576
Flow Resistance in Gravel-Bed Rivers, Richard D. Hey, HY4:Apr 79:365:14500
Flow Resistance of Large-Scale Roughness, James C. Bathurst, HY12:Dec 78:1587:14239
General Algorithm for Rough Conduit Resistance, Sushil Kumar and John A. Roberson, HY11:Nov 80:1745:15806
Laboratory Tests of Gravel Envelope Flow Resistance, E. R. Zeigler and Ray J. Winger, IRKA:July 80:166
Statistical Properties of Sediment Bed Profiles, Hsieh Wen Shen and Hin Fatt Cheong, HY11:Nov 77: 1303:13348

Flow Separation
Dividing-Flow Manifolds with Square-Edged Laterals, Herbert E. Hudson, Jr., Robert B. Uhler and Robert W. Bailey, EE4:Aug 79:745:14764
Flow Characteristics in Two-Dimensional Expansions, Prabhulal R. Mehta, HY5:May 79:501: 14579

Flow Visualization
Dye-Vector Flow Visualization—Cooling Water Model, Volker W. Harms and Robert L. Wiegel, WW3:Aug 79:293:14767
Flow Visualization in Complex Turbulent Flows, Louis H.Y. Lee and Joseph A. Clark, HY2:Feb 80: 247:15209

Fluid Flow
Calculation of Strongly Curved Open Channel Flow, Michael A. Leschziner and Wolfgang Rodi, HY10: Oct 79:1297:14927
Channel Flow Computations Using Characteristics, Kathirithamby Sivaloganathan, HY7:July 79:899: 14717
Detection Methods for Location of Subsurface Water and Seepage, Robert M. Koerner, Jonathan S. Reif and Michael J. Burlingame, GT11:Nov 79:1301: 14989
Efficient Simulation of Nonlinear Steady Flow, Gary C. Niemeyer, HY3:Mar 79:185:14420

Estuarine Front Formation and Propagation, John P. Grubert, HY6:June 80:961:15485
Flow of Dilute Polymers Through Porous Media, Fritz Kaser and Robert J. Keller, EM3:June 80:525:15493
Fluid Dynamic Lift on a Bed Particle, Timothy R.H. Davies and Mohamed F.A. Samad, HY8:Aug 78:1171:13976
Force Fluctuations on Sill of Hydraulic Jump, Rangaswami Narayanan and L. S. Schizas, HY4:Apr 80:589:15368
Force on Sill of Forced Jump, Rangaswami Narayanan and L. S. Schizas, HY7:July 80:1159:15552
Heat Loss from Sidearms of Cooling Lakes, Terry W. Sturm and John F. Kennedy, HY5:May 80:783:15398
Linear Theory Methods for Pipe Network Analysis, Lewis T. Isaacs and Kevin G. Mills, HY7:July 80:1191:15559
Modeling Two-Dimensional Circulating Flow, George H. Lean and T. John Weare, HY1:Jan 79:17:14312
Modelling Climatic Effects on Clay Beneath Slabs, Judith B. Corley, SLS:June 80:533
Physical Modeling of Bubble Screens, Sahim Tekeli and W. Hall C. Maxwell, WW1:Feb 80:49:15176
Pressure Fluctuations beneath Submerged Jump, Rangaswami Narayanan, HY9:Sept 78:1331:14039
Stochastic Design of Flow Equilization Basins, Campbell D. MacInnes, Andrew C. Middleton and Kazimierz Adamowski, EE6:Dec 78:1275:14251
Three-Dimensional Wakes: Origin and Evolution, Enzo Levi, EM4:Aug 80:659:15618
Transporting Solid Particles in Smooth Pipelines, Walter Chin Mih, TE4:July 79:427:14704
Upsurge and Speed-Rise Charts Due to Pump Shutdown, Benjamin Donsky, Roxanne M. Byrne and Paul E. Bartlett, HY6:June 79:661:14637

Fluidic Logic Devices

Environmental Aspects of Utility AFBC Design, Robert E. Curtis and P. Stanley Dzierlenga, EY2:Oct 80:131:15739

Fluid Infiltration

Dimensionless Advance for Level-Basin Irrigation, Albert J. Clemmens and Theodor Strelkoff, IR3:Sept 79:259:14820

Fluidized Bed Processing

Fluid-Bed Combustion and Gasification Solids Disposal, Dale L. Keairns, Colette C. Sun, Charles H. Peterson and Richard A. Newby, EY2:Oct 80:213:15749
Fluid-Bed Combustion and Gasification Solids Disposal, Dale L. Keairns, Colette C. Sun, Charles H. Peterson and Richard A. Newby, EY2:Oct 80:213:15749
Fluidized Bed for Biological Wastewater Treatment, Theodore C. Stathis, EE1:Feb 80:227:15215

Fluidized Bed Processors

Codisposal of Sludge and Refuse, William F. Cosulich and Miro Dvirka, EE80:July 80:592
Disposal of Hazardous Toxic Munition Waste, Irving Forsten, EE80:July 80:440
Environmental Aspects of Utility AFBC Design, Robert E. Curtis and P. Stanley Dzierlenga, EY2:Oct 80:131:15739
Fluidized Bed for Biological Wastewater Treatment, Theodore C. Stathis, EE1:Feb 80:227:15215

Fluidizing

Optimum Backwashing of Sand Filters, Appiah Amirtharajah, EE5:Oct 78:917:14078

Fluid Mechanics

Dynamics of Growth and Breakage of Alum Floc in Presence of Fluid Shear, John D. Boadway, EE5:Oct 78:901:14084

Fluid Power

Geo-Science Related Aspects of Geopressure Energy, Prem S. Chopra and Surendra K. Saxena, EY2:Aug 79:213:14745
Nonlinear Inertia Forces on Bodies, Michael de St.Q. Isaacson, WW3:Aug 79:213:14743

Flumes

Boundary Layers in Developing Open Channel Flow, Edward Silberman, TN: HY7:July 80:1237:15516
Effect of Forestry Practices in Florida Watersheds, H. Riekerk, B. F. Swindel and John A. Replogle, IRKB:July 80:706
Knickpoint Migration due to Baselevel Lowering, Ze'ev B. Begin, David F. Meyer and Stanley A. Schumm, WW3:Aug 80:369:15651
Modified Broad-Crested Weirs for Lined Canals, John A. Replogle and Albert J. Clemmens, IRKA:July 80:463
Multiple Jets in Shallow Flowing Receiving Waters, A. David Parr and William W. Sayre, HY11:Nov 79:1357:14991
Open Channel Flow with Varying Bed Roughness, Donald W. Knight and J. Alasdair Macdonald, HY9:Sept 79:1167:14839
Surface Dispersion in Wave Flume, Aysen Ergin, WW4:Nov 80:449:15854
Weir and Flume Calibration by Pondage Drawdown, F. Allan Johnson and Christopher S. Green, HY11:Nov 80:1903:15847

Fluoridation

Water Defluoridation with Activated Alumina, Yeun C. Wu and Anan Nitya, EE2:Apr 79:357:14544

Fluorides

Fluoride, Nitrate, Arsenic, and Selenium Removal From Small Community Water Supplies, Dennis Clifford, Maheyar Bilimoria, Gurinder Singh and Tom Sorg, EE80:July 80:514
Water Defluoridation with Activated Alumina, Yeun C. Wu and Anan Nitya, EE2:Apr 79:357:14544

Flushing

Fish, Flushing, and Water Quality: Their Roles in Marina Design, Rick D. Cardwell, Ronald E. Nece and Eugene P. Richey, CZ80:Nov 80:84

Flutter

Calculated Examples Of Long-Span Bridge RESPONSE TO WIND, Lawrence Rubin and Robert H. Scanlan, EM81:Jan 81:307

Fluvial Hydraulics

Equipment for Investigations of Fluvial Sediment, Paul C. Benedict, HY3:Mar 79:163:14407
Estimating Average Velocity in Gravel-Bed Rivers, Dale I. Bray, HY9:Sept 79:1103:14810
Theory of Minimum Rate of Energy Dissipation, Chih Ted Yang and Charles C.S. Song, HY7:July 79:769:14677

Fly Ash

Containment of Heavy Metals with Natural Materials, Ronald E. Benson, Jr., EE80:July 80:69
Environmental Considerations for Fly Ash Disposal, Thomas L. Theis and Jerry J. Marley, EY1:Jan 79:47:14286
The Impacts of the Resource Conservation and Recovery Act on Wood Fired Energy Systems, Hugh T. Carson and Dennis W. Weeter, EE80:July 80:508

Foam

Nonlinear Deformation of Fabric/Foam Composites, S. S. Wang and Alvin Smith, Preprint No.80-572, Oct 80, 18pp.

Folded Plates

Assemblage Method for Folded-Plate Analysis, Fouad H. Victor and Fernand Ellyin, ST7:July 79:1509:14689

Finite Strip Laminated Sandwich Roof Analysis, Ibrahim M. Ibrahim and Gerard R. Monforton, ST5:May 79:905:14594
Folded Plate Structures, Jerome S.B. Iffland, ST1:Jan 79:111:14300
Folded Plates with Intermediate Flexible Supports, Abubakr A. Wahab and Adam M. Mousa, ST10: Oct 79:2091:14905
Tests on Microconcrete Continuous Folded Plates, Kaveti Seetharamulu and Sachchidanand N. Sinha, ST7:July 79:1457:14696

Food Processing
Scat Cat: A Construction Motivational Program, John D. Borcherding and Richard L. Tucker, Preprint No.80675, Oct 80

Foods
Food and Agricultural Policies, Earl O. Heady, WR1: Mar 79:151:14415

Foot Bridges
Design and Construction of the Greenborough Footbridge, H. R. Carlin-Smith, MGC:July 80:290

Footings
Bearing Capacity of Footings on Layered C-Φ Soils, B. Satyanarayana and R. K. Garg, TN: GT7:July 80:819:15578
Equivalent Linear Model for Predicting Settlements of Sand Bases, Issa S. Oweis, GT12:Dec 79:1525: 15051
Foundation Response to Soil Transmitted Loads, Satya Narayan Varadhi and Surendra K. Saxena, GT10:Oct 80:1121:15763
Interaction of Piles and Cap in Piled Footings, Joe O. Akinmusuru, TN: GT11:Nov 80:1263:15790
Sand to Sandstone: Foundation Strengthening with Chemical Grout, Edward D. Graf and Edwin G. Zacher, CE:Jan 79:67
Seismic Response of Hemispherical Foundation, Steven M. Day and Gerald A. Frazier, EM1:Feb 79:29:14339
The Structural Analysis of Footings on Expansive Soil, P. W. Mitchell, SLS:June 80:438
Terminal Usage of Batch Programs in Highway Design, Conrad G. Keyes, Jr., John Minor and Kenneth R. White, CP80:June 80:350
Torsional Vibration Tests on Embedded Footings, K. S. Sankaran, N. R. Krishnaswamy and P. G. Bhaskaran Nair, TN: GT3:Mar 80:325:15262

Forage Grasses
Forage Grass Growth on Overland Flow Systems, Antonio J. Palazzo, C. James Martel and Thomas F. Jenkins, EE80:July 80:347

Force
Force Limiting Devices in Space Trusses, Lewis C. Schmidt and Ariel Hanaor, ST5:May 79:939:14589
Space Truss Studies with Force Limiting Devices, Ariel Hanaor and Lewis C. Schmidt, ST11:Nov 80: 2313:15808
Steady and Oscillating Drift Forces on Floating Objects, Subrata K. Chakrabarti, WW2:May 80:205: 15390
Stressing of Transmission Tower Peak by Lighting, Thazhath Veettil Gopalan, EY1:Jan 79:103:14328

Forced Vibration
Forced Vibration of Beams by Eigenmatrix Method, Bennosuke Tanimoto, Kiyoshi Ishikawa and Shotaro Natsume, ST12:Dec 79:2725:15090
A Rectilinear Force Generator For Full Scale Vibration Testing, J. I. Craig and F. D. Lewis, EM81:Jan 81:102

Forecasting
Access, Fares, Frequency: Effects on Airport Traffic, Richard deNeufville and Clifford R. King, TE2:Mar 79:109:14421
Accuracy of Snowmelt Runoff Estimates, Mark E. Hawley, Richard H. McCuen and Albert Rango, IRKB:July 80:347
Airports of Micronesia - Airline Considerations, Clifford T. Argue, MGC:July 80:34
Alternatives for Standards and Regulations, Brian R. Mrazik and Richard W. Krimm, EFHYF:Mar 79: 375
The Benefits of Uncertainty: Probability in Short and Long Term Hydrologic Forecasting, Rafael L. Bras, EFHYF:Mar 79:141
BPA Hydrologic Forecasting Considerations and Action During the 1976-77 Drought, William R. Gordon, C. H. Watkins and R. C. Lamb, EFHYF: Mar 79:274
The California Drought—Its Effect on Runoff Forecasting For Power Generation, Gary J. Freeman, EFHYF:Mar 79:266
Captivity and Choice in Travel-Behavior Models, Peter R. Stopher, TE4:July 80:427:15566
Characteristics of Low Flows, Henry C. Riggs, HY5: May 80:717:15400
Classification of Urban Areas for Travel Forecasting, Yupo Chan and Jossef Perl, TE5:Sept 79:513:14831
Construction Planning—Beyond the Critical Path, George S. Birrell, CO3:Sept 80:389:15684
Diesel Fuel Forecasts in Virginia, Antoine G. Hobeika and Frank Tamberrino, MGC:July 80:172
Effectiveness Evaluations—An Engineer's View, Harry E. Strate, HW80:Mar 80:71
Energy, The Environment and the Future—Are Civil Engineers Going to Get Involved?, Charles J. Jennet, Preprint No.80-669, Oct 80, 5pp.
Evaluating PCM Firm Potential and Performance, Clyde B. Tatum, CO3:Sept 79:239:14802
Finite Element Method for Direct Runoff Flow, Mutsuto Kawahara and Teruyuki Yokoyama, HY4: Apr 80:519:15341
Forecasting Housing Requirements in a College Town, Yupo Chan and Wayne P. Rasmussen, UP1: Jan 79:9:14299
Forecasting Lake Levels—A Case Study, Sivajogi D. Koppula, HYUS:June 80:280
Future Prospects Re Travel Requirements and Financing, Robert A. Keith, UT79A:July 79:285
Great Lakes Storm Surge Flood Forecasting Methods, Keith W. Bedford, Mark D. Prater and Steven Dingman, HYUS:June 80:289
Groundwater and Non-Point Pollution: Key Water Quality Issues of the 1980's, Eugene E. Dallaire, CE:Sept 80:71
Highway Design Criteria: Problems and Projections, Graeme D. Weaver, C. V. Wootan and Donald L. Woods, HW80:Mar 80:38
Highway Safety Challenges of the 80's, Bennie Maffet, HW80:Mar 80:54
Honolulu Mass Transit — Past, Present, and Future, Robert R. Way, MGC:July 80:396
Hydrologic Uncertainty and Project Benefits, Billy E. Martin and R. W. Julian, EFHYF:Mar 79:84
Hydrology and Environmental Assessments, Arliss D. Ray, William P. Wenstorm and Dan D. Taylor, EFHYF:Mar 79:387
Hydromet Data Base for Forecasting and Operations, Vernon C. Bissell and Edward M. Davis, Preprint No.80-148, Apr 80, 27pp.
Impact of Future Vehicle Technology on I/M Programs, J. C. Calhoun and G. F. Blass, CAAA: Nov 79:103
Improved Hydrologic Forecasting—Why and How, William P. Henry, Chmn., EFHYF:Mar 79
Irrigation Prospects in Bendel State of Nigeria, Paul A.C. Okwuobi, IR1:Mar 79:99:14459
Land Surveying Research Needs: The Next Decade, Roscoe B. Snedeker, SU1:Nov 79:85:14961
Locally Important Economic Considerations in Flooding and Flood Plain Management, D. Earl Jones, Jr., EFHYF:Mar 79:352
Low Income Housing Planning: State-of-the-Art, Leonard F. Heumann, UP2:Nov 79:137:14962
Margins for Survival: Overcoming Political Limits in Steering Technology by Edward Wenk, Jr. (Book Review), Dan H. Pletta, CE:Jan 80:33
Marketing Analysis for A/E Firm, Donald A. Dupies, EI1:Jan 80:11:15155
Matrix Management May Meet Your Needs for the 80s, Robert J. Cardinal, EI1:Jan 80:27:15157

A Modernized Metric System — SI — The American Choice, Cornelius Wandmacher, Preprint No.80-591, Oct 80, 14pp.
Myths and Uses of Hydrometeorology in Forecasting, Gene E. Willeke, EFHYF:Mar 79:117
Planning For User Oriented Hydrologic Forecasts, L. Douglas James, EFHYF:Mar 79:101
Policy Issues of Importance to Offshore Development, William S. Gaither, PO80:May 80:1
Precipitation Forecasting at a National Center, David A. Olson, EFHYF:Mar 79:199
Prediction of Extreme Wave Heights and Wind Velocities, Liu Teh-fu and Ma Feng-shi, WW4:Nov 80:469:15862
Prediction of Septic-System Failures, Gary B. Saxton and Joseph M. Zeneski, EE3:June 79:503:14609
Price Elasticities of Nonbusiness Air Travel Demand, Adib Kanafani, TE2:Mar 80:217:15294
Probabilistic Site-Dependent Response Spectra, Anne S. Kiremidjian and Haresh C. Shah, ST1:Jan 80:69:15110
Problems in Operational Hydrologic Forecasting, Jack F. Hannaford and Roderick L. Hall, EFHYF:Mar 79:47
Satellite Data Collection Platforms in River and Flood Forecasting, Allen F. Flanders and J. W. Schiesl, ASDC:80:300
Sedimentation in Iron Gates Reservoir on the Danube, Vlad Focsa, HY10:Oct 80:1659:15782
Session I—Analytic Techniques in Hydrology—State-of-the-Art, John J. Cassidy, EFHYF:Mar 79:414
Session II—Economic Aspects of Hydrologic Forecasting, L. Douglas James, EFHYF:Mar 79:417
Session III—Meteorology and Hydrology, Roger A. Amisial, EFHYF:Mar 79:419
Session VI—Changing Needs in Hydrologic Forecasting, William P. Henry, EFHYF:Mar 79:426
Session VIII—Environmental Applications, Michael B. Sonnen, EFHYF:Mar 79:430
Session V—Power Forecasting, Catalino B. Cecilio, EFHYF:Mar 79:424
Snow-Covered Area Utilization in Runoff Forecasts, Albert Rango, Jack F. Hannaford, Michael Rosenzweig and A. Jean Brown, HY1:Jan 79:53:14326
Stochastic Approach to Waste Treatment Planning, Roger D. Hansen, A. Bruce Bishop and Rangesan Narayanan, WR1:Mar 80:275:15265
Thames Basin Nitrate and Agricultural Relations, Charles A. Onstad and Jane Blake, IRKB:July 80:961
Transferability of Demand Estimation Procedures, Jere J. Hinkle, TE4:July 80:369:15545
Urban Transportation: Outlook and Policy, Milton Pikarsky, UT79A:July 79:35
Urban Water Management in the 1980's: Introduction, Murray B. McPherson, Preprint No.80-511, Oct 80, 6pp.
Water Quality, Energy, Legislation: Challenge of the 80's, Carmen F. Guarino, EE80:July 80:1
Water Supply Forecasting in California - 1976-78, Charles H. Howard, EFHYF:Mar 79:285

Foreign Countries

When in Rome Do as the Romans: Should the Professional and Business Ethics of American Engineers be a Function of the Country in which They Practice, A. Colin Lauchlan, EI3:July 79:167:14719

Foreign Engineering

Improving the Utilization of Overseas Irrigation Systems, James M. Wolf and Francis E. Borcalli, IRKA:July 80:205
Research in Japanese Construction Industry, Boyd C. Paulson, Jr., CO1:Mar 80:1:15237
Top Foreign-Born Civil Engineers Speak Their Minds, Allen Morrison, CE:Oct 80:115
U.S.-China Relations: Friends Now, Partners Tomorrow?, Ann E. Seltz-Petrash, CE:Apr 79:57
Water Supply Feasibility Studies in Philippines, Leonardo V. Gutierrez, Jr., UP1:May 78:59:13726

Foreign Projects

When in Rome Do as the Romans: Should the Professional and Business Ethics of American Engineers be a Function of the Country in which They Practice, A. Colin Lauchlan, EI3:July 79:167:14719

Foreign Trade

Has Metrication Run Out of Gas?, Michael J. Bartos, Jr., CE:Aug 79:49

Forest Fires

Fire Rehab in the Bend Municipal Watershed, Bruce P. McCammon and Dallas Hughes, IRKB:July 80:252
Hydrologic Effects of a Severe Forest Fire, J. D. Cheng, IRKB:July 80:240

Forest Management

Alaska Water Quality Standards and BMPs, John D. Stednick, IRKB:July 80:721
Best Management Practices for Forestry Activities, Richard J. McClimans, IRKB:July 80:694
Cost Effective Water Quality Monitoring, Stanley L. Ponce, E. Thomas Bartlett and Corey P. Wong, IRKB:July 80:530
Effect of Forestry Practices in Florida Watersheds, H. Riekerk, B. F. Swindel and John A. Replogle, IRKB:July 80:706
Effects of Logging Roads on Storm Hydrographs, Everett P. Springer and George B. Coltharp, IRKB:July 80:228
Evaluating Silvicultural Impacts on Water Resources, Gordon Snyder, IRKB:July 80:682
Hydrological Impacts of Silvicultural Activities, Charles A. Troendle, IR1:Mar 79:57:14437
Hydrologic Simulation of the Effects of Forest Removal, D. S. Chanasyk and Jacobus P. Verschuren, IRKB:July 80:452
Management of Galbraith Gap Municipal Watershed, David R. DeWalle, IRKB:July 80:1012
Snowmelt Sediment from Sierra Nevada Headwaters, Clarence M. Skau, John C. Brown and John A. Nadolski, IRKB:July 80:418
Soil Moisture and Snowpack after Clearcutting, George E. Hart and David A. Lomas, IRKB:July 80:311
South Fork Trinity River Watershed Study, Ralph G. Scott, Jr., Koll Y. Buer and Stephen M. James, IRKB:July 80:406
A Temperature Model for Small Mountain Streams, Shelley S. Ellis, Stanley L. Ponce and L. Eric Siverts, IRKB:July 80:494
Timber Harvest and Water Yields in the Ozarks, Carl D. Settergren, R. Michael Nugent and Gary S. Henderson, IRKB:July 80:661
Turbidity and Suspended Sediment Relationships, Robert L. Beschta, IRKB:July 80:271
Will the World Face Up to Its Ever-Worsening Environmental Problems?, Eugene E. Dallaire, CE:Sept 80:67

Forestry

Best Management Practices for Forestry Activities, Richard J. McClimans, IRKB:July 80:694
Effect of Forestry Practices in Florida Watersheds, H. Riekerk, B. F. Swindel and John A. Replogle, IRKB:July 80:706
Hydrological Impacts of Silvicultural Activities, Charles A. Troendle, IR1:Mar 79:57:14437

Forests

Management of Galbraith Gap Municipal Watershed, David R. DeWalle, IRKB:July 80:1012
Snowmelt Sediment from Sierra Nevada Headwaters, Clarence M. Skau, John C. Brown and John A. Nadolski, IRKB:July 80:418

Formwork (Construction)

Allowable Wind Loads on Wood Construction Stakes, Clayford T. Grimm, CO3:Sept 79:263:14857
Concreting and Formwork Logistics and Optimization, Marvin Gates and Amerigo Scarpa, CO2:June 78:219:13842

Falsework Design for Concrete Structures, Kenneth C. Hover, Preprint No.80-178, Apr 80, 30pp.
West Virginia Cooling Tower Collapse Caused by Premature Form Removal, Hai S. Lew, CE:Feb 80: 62

Fortran
Managing Data in FORTRAN Programs, John M. McCormick and Joseph P. Wright, TC1:Apr 79:13: 14486

Fossil Fuels
ASCE Energy Action Program: Progress Report, CE: Jan 80:75

Fouling
Biofilm Growth and Hydraulic Performance, Basil F. Picologlou, Nicholas Zelver and William G. Characklis, HY5:May 80:733:15421

Foundation Design
Post-Tensioned Foundations as Economical Alternative, Henry J. Cronin, Jr., CE:Mar 80:62
Static and Dynamic Laterally Loaded Floating Piles, Roger L. Kuhlemeyer, GT2:Feb 79:289:14394

Foundation Investigations
Damping of An Offshore Platform Model By Random DEC Method, J. C. S. Yang, M. Sherif Aggour, N. Dagalakis and F. Miller, EM81:Jan 81: 819
Foundation Stability on Nonhomogeneous Clays, James D. Murff and Terrell W. Miller, GT10:Oct 77:1083:13302

Foundation Performance
Dynamic Response With Foundation Interaction, Timothy O. Weaver, Furman W. Barton and Richard T. Eppink, EM81:Jan 81:252
Traveling Wave Analysis Of A Large Foundation, Philip J. Richter and Elwood A. Smietana, EM81: Jan 81:401

Foundations
Beam Equation with Variable Foundation Coefficient, Joel N. Franklin and Ronald F. Scott, EM5:Oct 79: 811:14926
Behavior of Expansive Soils in Western Canada, J. J. Hamilton, SLS:June 80:815
Building on Expansive Soils in South Africa: 1973-1980, Antony AB Williams and George W. Donaldson, SLS:June 80:834
Construction on Expansive Rock, K. L. Logani, SLS: June 80:496
Cost Optimization of Buildings, Alan D. Russell and Khalid T. Choudhary, ST1:Jan 80:283:15125
Cyclic Movements of Offshore Structures on Clay, Francis Dumas and Kenneth L. Lee, GT8:Aug 80: 877:15655
Dynamic Interaction On Liquid Storage Tanks And Foundation Soil, Medhat A. Haroun and George W. Housner, EM81:Jan 81:346
Dynamic Response of Pile-Supported Frame Foundations, Fakhry Aboul-Ella and Milos Novak, EM6:Dec 80:1215:15895
Dynamic Stiffness and Damping of Pile Groups in Inhomogeneous Soil, Toyoaki Nogami, GTA80:Oct 80:31
Engineering Approximations for the Dynamic Behaviour of Deeply Embedded Foundations, A. P. S. Selvadurai and M. Rahman, EM81:Jan 81:361
Field Test Sections on Expansive Soils, Lawrence D. Johnson, SLS:June 80:262
A Foundation Code for Expansive Soil Conditions, Joseph G. Zeitlen and Amos Komornik, SLS:June 80:609
Foundation Impedance Matrices by Substructure Deletion, Gautam Dasgupta, EM3:June 80:517: 15491
Foundation Response Caused by Disturbance of Clay, Richard P. Weber, GT5:May 78:583:13765
Foundation Response to Soil Transmitted Loads, Satya Narayan Varadhi and Surendra K. Saxena, GT10:Oct 80:1121:15763
Geotechnical Engineering Data Systems, Joseph M. DeSalvo, SU80:June 80:165
Keynote Address, Spencer J. Buchanan, SLS:June 80: 661
Liquefaction Potential: Science Versus Practice, Ralph B. Peck, GT3:Mar 79:393:14418
Miami Limestone Foundation Design and Construction, Richard T. Reynolds and Thomas J. Kaderabek, Preprint No.80-546, Oct 80, 17pp.
A Model for Slab Foundations on Expansive Soils, Stefanos S. Tsotsos, SLS:June 80:551
New Foundation System for Granite Seawall, Victor V. Calabretta and Peter Sullivan, PO80:May 80:807
On The Reduction Of 3D Soil-Structure Interaction Problems TO 2D Models -a1A., Asadour H. Hadjian, J. E. Luco and Hung Leung Wong, EM81: Jan 81:217
Post-Tensioned Foundations as Economical Alternative, Henry J. Cronin, Jr., CE:Mar 80:62
Public Awareness of Homes Built on Shrink-Swell Soils, Wesley G. Holtz, SLS:June 80:617
Rectangular Plates on Linear Viscoelastic Foundations, Keiichiro Sonoda and Harutoshi Kobayashi, EM2:Apr 80:323:15307
Resorcinolic Grout for Injecting Sandy Foundations, Arvind V. Shroff and Dhananjay L. Shah, TN: GT10:Oct 80:1153:15724
Rheology of Swelling Soils and Deformation Forecast, Abbas Ali ogly Mustafayev and G. D. Chigniev, SLS:June 80:760
Seismic Response of Hemispherical Foundation, Steven M. Day and Gerald A. Frazier, EM1:Feb 79:29:14339
Soil Modulus and Longitudinal Pipeline Stresses, Roger E. Hobbs, TE6:Nov 80:775:15831
Stiffness and Damping Coefficients of Foundations, Jose M. Roesset, GTA80:Oct 80:1
Strain Controlled Testing of Expansive Soils, Andrew A. Porter and John D. Nelson, SLS:June 80:34
Uplift and Bearing Capacity of Short Piers in Sand, Nabil F. Ismael and Tony W. Klym, GT5:May 79: 579:14568
Vertical Vibration of Machine Foundations, George C. Gazetas and Jose M. Roesset, GT12:Dec 79: 1435:15050
Vertical Vibration of Piles, Roger L. Kuhlemeyer, GT2:Feb 79:273:14393

Fourier Transformation
Digital Simulation of Nonlinear Random Waves, Robert T. Hudspeth and Min-Chu Chen, WW1:Feb 79:67:14376
Efficient FFT Simulation of Digital Time Sequences, Robert T. Hudspeth and Leon E. Borgman, EM2: Apr 79:223:14517

Fracture Mechanics
Blunt Crack Band Propagation in Finite Element Analysis, Zdenek P. Bazant and Luigi Cedolin, EM2:Apr 79:297:14529
Evaluation of Fracture Techniques in Cementitious Composites, K. Visalvanich and Antoine E. Naaman, FIC:Oct 80:65
Fracture Mechanics of Reinforced Concrete, Zdenek P. Bazant and Luigi Cedolin, FIC:Oct 80:28
Fracture Mechanics of Reinforced Concrete, Zdenek P. Bazant and Luigi Cedolin, EM6:Dec 80:1287: 15917
Instability and Spacing of Cooling or Shrinkage Cracks, Abubakr A. Bazant and Abubakr A. Wahab, EM5:Oct 79:873:14933
Rough Cracks in Reinforced Concrete, Zdenek P. Bazant and Pietro Gambarova, ST4:Apr 80:819: 15330

Fractures
Further Consideration of Progressively Fracturing Solids, John W. Dougill and M. A.M. Rida, EM5: Oct 80:1021:15764
Hydrogeology of a Shallow Till Under Irrigation, M. James Hendry, IRKA:July 80:21
Slip-Dilatancy Model for Cracked Reinforced Concrete, Zdenek P. Bazant and Tatsuya Tsubaki, ST9:Sept 80:1947:15704

Fractures (Geology)
Permeability and Piping in Fractured Rocks, Richard E. Goodman and Panchanatham N. Sundaram, GT5:May 80:485:15433
RQD and Fracture Spacing, Richard E. Goodman and H. Rodney Smith, TN: GT2:Feb 80:191:15193
A Seismo-Tectonic Study of the Western Narmada Valley Using Landsat Imagery, S. N. Pandey, ASDC:80:171

Fractures (Materials)
Evaluations of Fracture of Lafayette Street Bridge, John W. Fisher, Alan W. Pense and Richard Roberts, ST7:July 77:1339:13059

Fracture Strength
Evaluations of Fracture of Lafayette Street Bridge, John W. Fisher, Alan W. Pense and Richard Roberts, ST7:July 77:1339:13059
Quinnipiac River Bridge Cracking, John W. Fisher, Alan W. Pense, Hans Hausammann and George R. Irwin, ST4:Apr 80:773:15343

Fracturing
The Cracking and Fracture of Mortar, Sidney Mindess and Sidney Diamond, FIC:Oct 80:15
Determination of Fracture Toughness of Concrete, M. M. Kim, Hon-Yim Ko and Kurt H. Gerstle, FIC:Oct 80:1
Fracture Mechanics of Reinforced Concrete, Zdenek P. Bazant and Luigi Cedolin, FIC:Oct 80:28
Hysteretic Fracturing Endochronic Theory for Concrete, Zdenek P. Bazant and Ching-Long Shieh, EM5:Oct 80:929:15781
Influence of Notch Dimensions on the Effective Surface Energy and Notch-Sensitivity of Cement Compounds, Shan Somayaji, FIC:Oct 80:36
New Aspects of Soil Fracturing in Clay, Karl Rainer Massarsch, GT8:Aug 78:1109:13961
Plastic-Fracturing Theory for Concrete, Zdenek P. Bazant and Sang-Sik Kim, EM3:June 79:407:14653
Tension and Tension-Shear Fractures in Cements and Concretes, Michael A. Taylor, FIC:Oct 80

Frame Design
Model for Mild Steel in Inelastic Frame Analysis, T. K. Santhanam, ST1:Jan 79:199:14333
Tapering I-Section Frames, M. Anwarul Islam and David Anderson, TN: ST6:June 80:1367:15451

Framed Structures
Automated Design of Multistory Frame Structures, Stan W. Zagajeski and M. D. Wunder, CP80:June 80:203
Cyclic Response Of Steel-Stud Framed Wall Panels, Thomas S. Tarpy, Jr., EM81:Jan 81:631
Interactive Graphics Dynamic Analysis Of Frames, M. Gattass, J. G. Orbison, C. I. Pesquera, M. A. Schulman, W. McGuire and John F. Abel, EM81:Jan 81:502
Stability Analysis of Large Spatial Frame Structures, Jun Wai Lee, Alain H. Peyrot and Jerome G. Dees, Preprint No.80-606, Oct 80, 22pp.

Frames
Constraints for Axial Strains in Frames, William Weaver, Jr., ST1:Jan 80:199:15121
Cyclic Response Prediction for Braced Steel Frames, Bruce F. Maison and Egor P. Popov, ST7:July 80:1401:15534
Design Rules for Welded and Bolted Beam-to-Column Connections in Non-Sway Frames, J. Witteveen, J. W.B. Stark, F. S.K. Bijlaard and P. Zoetemeijer, Preprint No.80-179, Apr 80, 27pp.
Dynamic Response of Pile-Supported Frame Foundations, Fakhry Aboul-Ella and Milos Novak, EM6:Dec 80:1215:15895
End Restraint and Column Stability, Wai F. Chen, ST11:Nov 80:2279:15796
Equivalent Frame Analysis for Lateral Loads, M. Daniel Vanderbilt, ST10:Oct 79:1981:14931
Factors Influencing Frame Stability, Charles Birnstiel and Jerome S.B. Iffland, ST2:Feb 80:491:15196
Five-Story Timber Framed Building, Byron L. Nishkian, CE:Aug 80:48
Frame-Wall Systems with Rigidly Jointed Link Beams, Amiya K. Basu and Ashok K. Nagpal, ST5:May 80:1175:15426
Inelastic Cyclic Behavior of Tubular Braced Frames, Egor P. Popov, Stephen A. Mahin and Victor A. Zayas, Preprint No.80-135, Apr 80, 18pp.
Inelastic Cyclic Behavior of Tubular Braced Frames, Egor P. Popov, Stephen A. Mahin and Victor A. Zayas, ST12:Dec 80:2375:15918
Large Deformation Analysis of Submerged Ring Frames, Howard B. Harrison, EM5:Oct 79:829:14913
Mechanism Generation for Limit Analysis of Frames, Vernon B. Watwood, ST1:Jan 79:1:14315
Nonlinear Analysis of Prestressed Concrete Frames, Young-Jin Kang and Alexander C. Scordelis, ST2:Feb 80:445:15191
Optimum Seismic-Resistant Design of R/C Frames, Stan Zagajeski Zagakesli and Vitelmo V. Bertero, ST5:May 79:829:14583
Prestress of Truss and Frame Structures, Jan Holnicki-Szulc, ST3:Mar 79:601:14462
Research Needs in Stability of Metal Structures, Reidar Bjorhovde, ST12:Dec 80:2425:15926
Seismic Response of Eccentrically Braced Frames, Ashok K. Jain and Subhash C. Goel, ST4:Apr 80:843:15338
Seismic Support: Speedy Determination of Frequency, Anil K. Kar, ST7:July 79:1289:14672
Shaking Table Earthquake Response of Steel Frame, David T. Tang and Ray W. Clough, ST1:Jan 79:221:14324
Stability Analysis and Design of Concrete Frames, James G. MacGregor and Sven E. Hage, ST10:Oct 77:1953:13280
Strength Interaction Surfaces for Tall Buildings, Bruno Zimmerli and Bruno Thurlimann, ST3:Mar 79:481:14426
Structural Analyses and Tests of Portable Mast, Bharat B. Joshi and Chandrahas S. Gurujee, ST2:Feb 79:437:14399
Tapering I-Section Frames, M. Anwarul Islam and David Anderson, TN: ST6:June 80:1367:15451
Vierendeel Frame Analysis: Slope-Shear Equations, Velu Paramasivam, TN: ST11:Nov 80:2333:15791

Framing
Preliminary Analysis and Design of Shell Structures, Mark A. Ketchum and Milo S. Ketchum, Preprint No.80-581, Oct 80, 14pp.
Stub Girders Cut Steel Use, CE:Oct 79:70

Free Flow
Assimilative Capacity of Small Streams, Chenchayya T. Bathala, Khirod C. Das and Wesley D. Jones, EE6:Dec 79:1049:15082

Free Streamlines
Freestream Turbulence Effects on Galloping, Kenny C.S. Kwok and William H. Melbourne, EM2:Apr 80:273:15356

Freeway Planning
Freeway Surveillance and Control in Chicago Area, Joseph M. McDermott, TE3:May 80:333:15436
San Antonio Freeway: Social-Impact Landmark, Raymond H. Lindholm and Malcolm L. Steinberg, CE:June 80:80

Freeways
I-205: A Unique Urban Freeway, Robert N. Bothman, Preprint No.80-143, Apr 80, 22pp.
Time Series Models for Freeway Incident Detection, Samir A. Ahmed and Allen R. Cook, TE6:Nov 80:731:15805

Freeze-Thaw Durability
Modern Engineering Saves Troubled Dam, James M. Tolle, Peter Simard and Lynn A. Brown, CE:June 79:78

Freezing
Behavior of Expansive Soils in Western Canada, J. J. Hamilton, SLS:June 80:815
Temporary Tunnel Support by Artificial Ground Freezing, John S. Jones and Ralph E. Brown, GT10:Oct 78:1257:14108

Freight
Freight Pipeline, Rail, and Truck Cost Comparison, Iraj Zandi, John A. Warner and Ronald Mersky, TE4:July 79:411:14703

Freight Terminals
Big Cajun No. 2 Docks: Planning and Design, Duli C. Sharma, PO80:May 80:100
High Speed Rail to Barge Coal Transfer Terminal, Richard H. Schmitz, Andrew Benko and Richard Rogers, PO80:May 80:148
A Marine Terminal for Exportation of Slurried Coal, R. B. Jacques and P. K. Johnson, PO80:May 80:32
Oil Terminal Relocation at Long Beach, California, Charles F. Connors and Michael G. Burke, PO80: May 80:172

Freight Transportation
Aerospace Technology for Freight Pipelines, Henry Liu and Donald L. Gibson, MGC:July 80:97
Mode Alternatives for Serving Rail Freight Users, Benjamin S. Zodikoff, MGC:July 80:129
Modeling for a Freight Transport Planning System, Yi-Chin Hu and Ralph D. Johnson, CP80:June 80: 497
Overview of DOE Programs for Energy Efficiency in Transportation, Richard T. Alpaugh and James S. Moore, MGC:July 80:148

Frequencies
Coastal Storm Tide Frequency, Virginia to Delaware, Vance A. Myers and Francis P. Ho, HYUS:June 80:74
The Effects of Static Loads on Dynamic Response, Som P. Virk, CP80:June 80:132
Free Torsional Vibrations of Suspension Bridges, Ahmed M. Abdel-Ghaffar, ST4:Apr 79:767:14535
Simplified Analysis of Vertical Vibrations, Jgi-Jiang Shiau, EY2:Aug 79:251:14750

Frequency
Calibration of Numerical Model for Harbor Waves, Herman Bomze, HYCO:Aug 80:441
Cracking and Construction Blasting: Importance of Frequency and Free Response, Charles H. Dowding and P. G. Corser, Preprint No.80-175, Apr 80, 36pp.
Seismic Support: Speedy Determination of Frequency, Anil K. Kar, ST7:July 79:1289:14672

Frequency Analysis
Bayesian Frequency Analysis, Wilson H. Tang, HY7: July 80:1203:15532
Frequency Analysis of Snow Course Data, Charles E. Brockway and H. F. Mayland, IRKB:July 80:368
Modeling supplement Irrigation Water Demand, J. David Dean, IR4:Dec 80:285:15897

Frequency Distribution
Empirical Investigation of Curve Number Technique, Allen T. Hjelmfelt, Jr., HY9:Sept 80:1471:15693
Flood Frequency Analysis by Power Transformation, Subhash Chander, S. K. Spolia and Arun Kumar, HY11:Nov 78:1495:14179
Frequency Content in Earthquake Simulation, Loren D. Lutes and Kiat Lilhanand, EM1:Feb 79:143: 14391
Gravel Size Analysis from Photographs, John Adams, HY10:Oct 79:1247:14908
Log Pearson Type 3 Distribution: A Generalized Evaluation, Donthamsetti Veerabhadra Rao, HY5: May 80:853:15391
Log Pearson Type 3 Distribution: Method of Mixed Moments, Donthamsetti Veerabhadra Rao, HY6: June 80:999:15477
Turbulence and Wind-Turbine Performance, A. Craig Hansen, TE6:Nov 80:675:15852

Frequency Response
Foundation Impedance Matrices by Substructure Deletion, Gautam Dasgupta, EM3:June 80:517: 15491

Fresh Water
Asymmetric Variation of Ghyben-Herzberg Lens, Daniel Wayne Urish, HY7:July 80:1149:15533
Evaluation of Compliance Criteria for River Plumes, Pauly P. Paily, HYCO:Aug 80:142
The Issue of Freshwater Inflow to Estuaries, Norman G. Benson, CZ80:Nov 80:1147
Opportunities and Problems in Planning the New Jersey Pinelands and Coastal Zone, John W. Sinton, CZ80:Nov 80:137
Storage of Freshwater in Saline Aquifers, Satya P. Singh and Valdali V.N. Murty, IR2:June 80:93: 15476

Friability
Preparation of Friable Aguiferous Specimens, Paul Francis Worthington, TN: HY2:Feb 80:333:15165

Friction
Concrete Reinforcing Net: Safe Design, Zdenek P. Bazant, Tatsuya Tsubaki and Ted B. Belytschko, ST9:Sept 80:1899:15705
Friction Factors for Corrugated Plastic Drainage Pipe, Ross W. Irwin and Jiri Motycka, IR1:Mar 79: 29:14424
Repeated Loading on Single Piles in Sand, Sin-Fatt Chan and Thomas H. Hanna, GT2:Feb 80:171: 15222
Safety against Slip in Inclined Base of Slope Toes, Josef Brauns, TN: GT10:Oct 80:1158:15724
Stress and Tidal Current in a Well-Mixed Estuary, M. Robinson Swift, Ronnal Reichard and Barbaros Celikkol, HY7:July 79:785:14682
Tension Resistant Inclusions in Soils, Kamal Z. Andrawes, Alan McGown, Mohsen M. Mashhour and Ragui F. Wilson-Fahmy, GT12:Dec 80:1313: 15928
Tunnel Closure for Nonlinear Mohr-Coulomb Functions, Timothy C. Kennedy and Herbert E. Lindberg, EM6:Dec 78:1313:14245

Friction Coefficient (Hydraulic)
Bar Resistance of Gravel-Bed Streams, Gary Parker and Allan W. Peterson, HY10:Oct 80:1559:15733
Biomechanics of Vegetative Channel Linings, Nicholas Kouwen and Ruh-Ming Li, HY6:June 80: 1085:15464
Effective Depth in Channels Having Bed Undulations, Chittoor R.S. Pillai, HY1:Jan 79:67: 14336
Friction Factors for Corrugated Plastic Drainage Pipe, Ross W. Irwin and Jiri Motycka, IR1:Mar 79: 29:14424
Friction Factors in Storm Surges over Inland Areas, Raymond Walton and Bent A. Christensen, WW2: May 80:261:15439
Head-Loss Measurements on Hydroelectric Conduits, T. Maxwell Brett, HY1:Jan 80:173:15109
Rockfill Linings for Channels, David Stephenson, IRKB:July 80:643
Steady Flow Past Prism in Rectangular Conduit, Clyde C.K. Kwok and Pai Mow Lee, HY7:July 79: 845:14697
Stress and Tidal Current in a Well-Mixed Estuary, M. Robinson Swift, Ronnal Reichard and Barbaros Celikkol, HY7:July 79:785:14682

Friction Factor
Estimating Average Velocity in Gravel-Bed Rivers, Dale I. Bray, HY9:Sept 79:1103:14810
Field Evaluation of Hammer Efficiency and Pile Driving Criteria, Dunstan D. S. Chen, James V. Toto and i. H. Wong, GTDF:80:64
Friction Factors in Flooding Due to Hurricanes, Bent A. Christensen and Raymond Walton, HYUS:June 80:265
High Capacity Pile Foundations for China Steel Corporation Integrated Steel Mill, W. C. Wan, Paul Engeling and Edith A. Hacker, GTDF:80:495

Instrumented Drilled Shafts in Clay-Shale, Patrick M. Goeke and Paul A. Hustad, Aff., GTDF:80:149
Intrusion Pile Foundation Case History, Larry G. O'Dell and John M. Pool, GTDF:80:300
Pile Foundations for One Market Plaza, Edward E. Rinne and Michael W. Stobbe, GTDF:80:343
Pull-Out Load Test of a Drilled Pier in Very Stiff Beaumont Clay, Richard A. Pearce and Carl L. Brassow, GTDF:80:331
Sand Bed Friction Factors for Oscillatory Flows, Philip Vitale, WW3:Aug 79:229:14754
A Study of Axial Pile Load Tests, Shailendra N. Endley, Edward J. Ulrich, Jr. and Janice B. Gray, GTDF:80:101

Friction Piles
Case History: Pile Foundation in Flood Plain Soils, K. A. Kessler, GTDF:80:215
High Capacity Pile Foundations for China Steel Corporation Integrated Steel Mill, W. C. Wan, Paul Engeling and Edith A. Hacker, GTDF:80:495
Intrusion Pile Foundation Case History, Larry G. O'Dell and John M. Pool, GTDF:80:300
Offshore Vertical and Lateral Pile Load Tests on Composite Friction Piles, Pend Oreille Lake, Idaho, Clair A. Waite, Steven A. Narkiewicz and Walter V. Jones, Preprint No.80-127, Apr 80, 21pp.
Predicition and Verification of Friction Pile Behavior, Michael W. Montgomery, GTDF:80:274
Pull-Out Load Test of a Drilled Pier in Very Stiff Beaumont Clay, Richard A. Pearce and Carl L. Brassow, GTDF:80:331

Friction Resistance
Biofilm Growth and Hydraulic Performance, Basil F. Picologlou, Nicholas Zelver and William G. Characklis, HY5:May 80:733:15421

Fringe Benefits
Metropolitan Section Accreditation Program on Compliance with Manual 55, Thomas A. Mulhern, EI1:Jan 79:35:14316

Froude Number
Application of a Consistent Vortex Scaling Law, Eugene Chang, HYCO:Aug 80:272
San Francisco Ocean Outfall Port Valve Development, Loring E. Hanson, Henry H.C. Lin, Allen L. Davis, John S. Readshaw and Robert T. Hudspeth, HYCO:Aug 80:51

Frozen Soils
Dynamic Properties of Frozen Silt Under Cyclic Loading, Ronald L. Czajkowski and Ted S. Vinson, GT9:Sept 80:963:15702
Parameter Effects on Dynamic Properties of Frozen Soils, Ted S. Vinson, GT10:Oct 78:1289:14109
Resilient Response of Two Frozen and Thawed Soils, Edwin J. Chamberlain, David M. Cole and Thaddeus C. Johnson, GT2:Feb 79:257:14398
Use of Piling in Frozen Ground, Frederick E. Crory, Preprint No.80-172, Apr 80, 21pp.

Fuel Consumption
The California Drought—Its Effect on Runoff Forecasting For Power Generation, Gary J. Freeman, EFHYF:Mar 79:266
Diesel Fuel Forecasts in Virginia, Antoine G. Hobeika and Frank Tamberrino, MGC:July 80:172
Energy Conservation through Arterial Improvements, Marchiz Petreanu and James J. Schuster, TE5:Sept 79:535:14847
Packaging Transportation Measures for Air Quality, John H. Suhrbier, CAAA:Nov 79:138
Redesigning the Auto: A Key to Solving the U.S. Energy, Eugene E. Dallaire, CE:Nov 79:92
Urban Transportation: Outlook and Policy, Milton Pikarsky, UT79A:July 79:35
Virginia Vehicle-Related Revenue Forecasts, Antoine G. Hobeika, Frank Tamberrino, Apisak Boonpuan and Harvey Goldstein, TE1:Jan 80:43:15143

Fuel Costs
Railroad Electrification in the Pacific Area, Willard D. Weiss, MGC:July 80:117

Fuel Economy
Redesigning the Auto: A Key to Solving the U.S. Energy, Eugene E. Dallaire, CE:Nov 79:92
What Happens to Cities When the Gas Runs Out?, Lawrence C. Cooper, CE:Aug 79:71

Fuels
Alcohol Fuel Impacts Upon Energy Conservation and Air Quality, J. Barrett Pullman, CAAA:Nov 79:341
Balancing Fish and Fuel on Georgia's OCS, Jeannette H. Phillips and James O. Barber, CZ80:Nov 80: 1098
Birth of the Synthetic Fuels Industry, Eugene E. Dallaire, CE:July 80:49
Demonstration d-RDF Burn GSA Pentagon Power Plant, H. M. Freeman, Jay Campbell and M. A. Golembiewski, EE80:July 80:598
The Impacts of the Resource Conservation and Recovery Act on Wood Fired Energy Systems, Hugh T. Carson and Dennis W. Weeter, EE80:July 80:508
Limits to Geological Fuels and Energy Options, Eric S. Cheney, Preprint No.80-099, Apr 80, 21pp.
Problems in New Tokyo Airport, Manabe Shigeto and Sakai Katsuyuki, MGC:July 80:46
Synfuel Facilities: Environmental Control Strategies, Warren H. Chesner and Howard Wiseman, EE80: July 80:504

Functional Analysis
Shear Transfer Model for Reinforced Concrete, Michael N. Fardis and Oral Buyukozturk, EM2: Apr 79:255:14507

Funding Allocations
Allocation of Risks—D, George Ziegler, CRLS:Jan 79:II-69
Contractual Arrangements—C, Max E. Greenberg, CRLS:Jan 79:II-100
Contractual Arrangements—E, Martin N. Kelley, CRLS:Jan 79:II-113
Direct Cost/Revenue Shortfalls in Transportation, S. David Phraner and Victor Gulewicz, UT79A:July 79:60
Effectiveness Evaluations—An Engineer's View, Harry E. Strate, HW80:Mar 80:71
Gillette-Madison Water Project Optimal Design, William E. West, Glen Taylor and Vance G. Lee, IRKA:July 80:431
Highway Safety Research and Implementation, Edwin M. Wood, HW80:Mar 80:207
How NFMES Brings Minorities into Engineering, Garvey E. Clarke, EI2:Apr 79:59:14478
How Top Officials Would Save Aging American Cities, CE:Nov 79:98
Introduction, John G. Kunna, HW80:Mar 80:1
Local Wastewater Disposal — A Reassessment, John C. Henningson, Preprint No.80-049, Apr 80, 19pp.
Meeting Off System Safety Needs, Andrew J. Lampe, HW80:Mar 80:180
Race, Income and Attitude Toward Beach Cleanliness, Charles A. Heatwole and Neils C. West, CZ80:Nov 80:1684
Railroad Highway Grade Crossing Program: Railroad View, Frederick J. Kull, HW80:Mar 80:130
Roadside Obstacle Elimination Programs, Paul H. Wright, HW80:Mar 80:116
Safety Aspects of the Bridge Reconstruction and Rehabilitation Program, Rex C. Leathers, HW80: Mar 80:165
Summary Session—B, Henry J. Jacoby, CRLS:Jan 79: II-178
Summary Session—C, John P. Jellico, CRLS:Jan 79: II-184
Top Highway Problems : Finance and Maintenance, Kneeland A. Godfrey, Jr., CE:Nov 79:59
Waterfront Policy: Responding to Local Needs, Letitia C. Longord and Irene L. Murphy, CZ80: Nov 80:256

Water Reuse Markets and Project Costs in Southern California, Frank A. Grant, Norman G. Hixson, Paul Teigen and E. Wiley Horne, EE80:July 80:640
Weather Modification Operations: The Legal Considerations, Ray Jay Davis, IRKA:July 80:77

Furrow Irrigation
Optimization of Salinity Control in Grand Valley, Wynn R. Walker, Gaylord V. Skogerboe and Robert G. Evans, IR1:Mar 79:15:14455
Reducing Salt Pickup from Irrigated Lands, Wynn R. Walker, Gaylord V. Skogerboe and Robert G. Evans, IR1:Mar 79:1:14454

Furrow Systems
Contour Furrowing as a Range Management Practice, Earl L. Neff and J. Ross Wight, IRKB:July 80:827
Establishing Cool-Season Grasses on Mine Spoils, Earl F. Aldon, David G. Scholl and Charles P. Pase, IRKB:July 80:91

Gabions
Gabions: Economical, Environmentally Compatible Erosion Control, Max A. Burroughs, CE:Jan 79:58
Rockfill Linings for Channels, David Stephenson, IRKB:July 80:643

Gaging Stations
California Coastal Data Collection Program Status, Douglas M. Pirie and George W. Domurat, CZ80: Nov 80:2180
Sediment Transport in a Pool-Riffle Stream, James Milligan, Edward Chacho and Myron Molnau, IRKB:July 80:430

Gamma Function
Sum of Independent Gamma Live Loads Model, Victor Jaria and Ross B. Corotis, TN: ST8:Aug 79: 1701:14730

Gamma Rays
Airborne Snow Survey Using Natural Gamma Radiation, Thomas R. Carroll and Kenneth G. Vadnais, ASDC:80:1

Garages
Intermodal Transportation Garage Facility, Alfred J. Pacelli, TE4:July 80:401:15540

Gas Distribution
Digester Gas Utilization Programs, Raymond R. Rimkus, John M. Ryan and Alfred J. Michuda, EE6:Dec 80:1071:15902
Economic and Seismic Hazard Mitigation for a Gas and Electric Utility, Ricahrd V. Bettinger, C080:80: 98
Formulating Utah's Seismic Policy for Lifelines, Delbert B. Ward and Craig E. Taylor, C080:80:202
Practical Design of Pipeline Control & Flexibility, James J. Van Houtte, C080:80:121

Gas Flow
Numerical Simulation of Gas Flow in Sanitary Landfills, Angelos N. Findikakis and James O. Leckie, EE5:Oct 79:927:14896

Gas Formation
Remedial Actions for Open Dumps, William H. Hassett and Earl T. Conrad, Preprint No.80-575, Oct 80, 11pp.

Gasification
Floating Terminal for Storage and Sendout of LNG, Gene Anspach, Robert Baseler and Rolf Glasfeld, PO80:May 80:296
Land Disposal of Coal Gasification Residue, William J. Boegly, Jr., Henry W. Wilson, Jr., Chester W. Francis and E. C. Davis, EY2:Oct 80:179:15757

Gasoline
Redesigning the Auto: A Key to Solving the U.S. Energy, Eugene E. Dallaire, CE:Nov 79:92

Gasoline Shortages
Alcohol Fuel Impacts Upon Energy Conservation and Air Quality, J. Barrett Pullman, CAAA:Nov 79:341

Gas Pipelines
Economic and Seismic Hazard Mitigation for a Gas and Electric Utility, Ricahrd V. Bettinger, C080:80: 98
Gas and Liquid Fuel Pilpeline Seismic Design, William J. Hall and Robert P. Kennedy, C080:80: 150
Gas Pipeline Seismic Risk Abatement, John D. McNorgan, Preprint No.80-104, Apr 80, 4pp.
Lifeline Economics and Hazard Mitigation, Le Val Lund, C080:80:78
Practical Design of Pipeline Control & Flexibility, James J. Van Houtte, C080:80:121
Public and Private Regulation of LNG Transport, Jonathan David Aronson and William Westermeyer, CZ80:Nov 80:589

Gas Production
Leachate Recycle as Landfill Management Option, Frederick G. Pohland, EE6:Dec 80:1057:15899
Modeling Effects of Environmental Stresses due to Industrial Wastes on Gas Production by Landfill Sediments, S. Roychowdhury, L. Y. Young, D. Cox, J. Powers, J. Sharkey and M. Levandowsky, EE80:July 80:75

Gas Recovery
Water Resources Implications of Energy Development, Jeffrey S. Mahan and Jay D. White, EY1:Apr 80:45:15366

Gastrointestinal Diseases
Biological Contamination of Finished Water Reservoirs, J. Sykora, Maurice A. Shapiro and G. Keleti, EE80:July 80:267

Gates
Localized Scour Below Submerged Vertical Gates, Hilmi Dogan Altinbilek and Yakup Basmaci, HYCO:Aug 80:39
The Rail-Highway Grade Crossing Program—A State's View, Robert E. Craven, HW80:Mar 80:124

Gaussian Distribution
Optimal Irrigation Depths — A Method of Analysis, Gideon Peri, William E. Hart and Donald I. Norum, IR4:Dec 79:341:15093
Optimal Reliability Analysis by Fast Convolution, Niels C. Lind, EM3:June 79:447:14648
Optimal Seasonal Irrigation Application Analysis, William E. Hart, Donald I. Norum and Gideon Peri, IR3:Sept 80:221:15687
PDF of Wind Pressures on Low-Rise Buildings, Theodore Stathopoulos, ST5:May 80:973:15409
Structural Response to Stationary Excitation, Armen Der Kiureghian, EM6:Dec 80:1195:15898

Geodesy
Doppler Satellite Surveying System, Larry D. Hothem, William E. Strange and Madeline White, SU1:Nov 78:79:14132
Geodetic Surveying: The Next Decade, David F. Mezera, SU1:Nov 79:93:14997
Land Records Management In North Carolina, Donald P. Holloway and Ronald F. Scott, SU80: June 80:33
Photogeodesy, James Collins, ASDC:80:309
System Calibration of Metric Cameras, Kunwar K. Rampal, SU1:Nov 78:51:14157
Three-Dimensional Densification for Local Control, Narendra K. Saxena and Alan P. Vonderohe, SU1: Nov 78:63:14129

Geodetic Surveys
Doppler Satellite Surveying System, Larry D. Hothem, William E. Strange and Madeline White, SU1:Nov 78:79:14132
Geodetic Surveying: The Next Decade, David F. Mezera, SU1:Nov 79:93:14997

Mapping America is Never-Ending Task for USGS, Morris M. Thompson, CE:Feb 79:77
Surveying and Mapping Research 1978-1988: An Overview, Morris M. Thompson, SU1:Nov 79:43: 14957
System Calibration of Metric Cameras, Kunwar K. Rampal, SU1:Nov 78:51:14157
The USGS Centennial: From Mining to Mapping the Moon, Mary Rabbitt and Virginia Fairweather, CE: Feb 79:68
USGS Sharpening Water-Quality Management Tools, Phillip E. Greeson, CE:Feb 79:92
Virtual Work Adjustment of Trilateration Nets, Naguib F. Danial, SU1:Nov 79:67:14955

Geography
ADAPT: The Use of Complex Models with a Geographic Data Base, Richard M. Males, SU80: June 80:215
Alternative Approaches for Applying GIS Technology, Jack P. Dangermond and Lowell Kent Smith, SU80:June 80:97
C A D A E (Computer Aided Design & Engineering), Donald R. Johnston, SU80:June 80: 193
Calgary's Computer Mapping & Geographic Referencing, R. G. Conway and E. Bert Piepgrass, SU80:June 80:59
A Comprehensive Application of A Geo-Based Information System on a Region in Colorado, Ronald L. Walters, SU80:June 80:71
Computer Geographic Base Files for Sanitary Sewers, Christina R. Palmerlee, Thomas M. Palmerlee and Dyan C. Conway, CP80:June 80:295
Data Management for a Metroplex, Kenneth B. Strange and S. E. Mangum, Jr., SU80:June 80:202
An Engineering View of CAMRAS, William Bathke, SU80:June 80:233
Geographic Data Bases, Richard E. Cornish, CP80: June 80:660
A Geographic Information System for a Rural County, W. Kent Crowder, SU80:June 80:74
Geographic Information Systems, William E. Gates and Richard J. Heil, SU1:Nov 80:105:15826
Geographic Information Systems: The ODYSSEY Project, Eric Teicholz, SU1:Nov 80:119:15833
Land Records: Costs, Issues and Requirements, James L. Clapp and Bernard J. Niemann, Jr., SU80: June 80:1
Streamflow Network in The Province of Alberta, 1980, Hans Ryckborst, IRKA:July 80:63
Urban Geoprocessing: A Staged Development Concept, Stephen Kinzy, SU80:June 80:172
WAMS: A Computer-Based Mapping and Data Base Management System, Harry A. Niedzwiadek and George R. Hoffman, ASDC:80:359

Geological Deposits
Cap Model Guided By Energy Concept, Shoji E. Yamada and Ahmed S. Abou-Sayed, GT2:Feb 79: 183:14384
Summary: Geologic Considerations in Hazardous-Waste Disposal, Keros Cartwright, Robert H. Gilkeson and Thomas M. Johnson, Preprint No.80-624, Oct 80, 5pp.

Geological Faults
Seismic Hazards: A State Government Perspective, Priscilla C. Grew, C080:80:18

Geological Surveys
Geology and Geotechnical Engineering, Robert F. Legget, GT3:Mar 79:339:14444
Geo-Science Related Aspects of Geopressure Energy, Prem S. Chopra and Surendra K. Saxena, EY2:Aug 79:213:14745
Materials Availability Study of the Dickey-Lincoln Dam Site, Carolyn J. Merry, Harlan L. McKim and Edwin A. Blackey, Jr., ASDC:80:158
Regional Geology of the Dartmouth Dam Site, F. Cox, ASDC:80:105
The Role of a State Geological Survey in Barrier Island Management: A Critical Link Between Research and Policy, Randall T. Kerhin, Kenneth N. Weaver and Jeffrey P. Halka, CZ80:Nov 80: 1289

Geologic Investigations
Land Subsidence and Earth Fissuring in Central Arizona, Lewis E. Scott, Preprint No.80-140, Apr 80, 12pp.
Preparation of Friable Aguiferous Specimens, Paul Francis Worthington, TN: HY2:Feb 80:333:15165

Geologic Mapping
Seismic Hazards: A State Government Perspective, Priscilla C. Grew, C080:80:18

Geologic Maps
Quantifying Hazards Information for Lifelines, Jeanne B. Perkins, C080:80:34
Seismic Zonation in the San Francisco Bay Region, Earl E. Brabb, C080:80:54

Geologic Processes
Recent Geologic History of a Barrier Island, Richard D. Hobson, Robert K. Schwartz and Frank R. Musialowski, CZ80:Nov 80:850

Geology
Cut Slope Stabilization Using Rock Bolts, Bruce M. Camlin, Gerald L. Branthoover and James W. Richards, TE1:Jan 79:31:14292
Faults in Swedish and American Tunnel Practice: A Fable, Thomas R. Kuesel, CE:Jan 79:74
Geology and Geotechnical Engineering, Robert F. Legget, GT3:Mar 79:339:14444
Geotechnical Engineering Data Systems, Joseph M. DeSalvo, SU80:June 80:165
Phosphate Mining in Southeast Idaho, Edward B. Connors, IRKB:July 80:867
Remote Sensing Study of Sinkhole Occurrence, Jay W. Casper, Byron E. Ruth and Janet D. Degner, AS80:Aug 80:1
South Fork Trinity River Watershed Study, Ralph G. Scott, Jr., Koll Y. Buer and Stephen M. James, IRKB:July 80:406
Transportation Planning for Southwest Alaska, Walter T. Downs, MGC:July 80:256

Geometry
Determinate Hydraulic Geometry of River Channels, Richard D. Hey, HY6:June 78:869:13830

Geomorphology
Geomorphic Evidence of Frequent and Extreme Floods, James C. Knox, EFHYF:Mar 79:220
Geomorphic Indices of Hydrologic Characteristics, James R. Maxwell and Richard A. Marston, IRKB: July 80:1
Geomorphic Study of Upper Mississippi River, Yung Hai Chen and Daryl B. Simons, WW3:Aug 79:313: 14778
River Murray Flooding, D. T. Curry and D. J. Dole, ASDC:80:41

Geophysical Surveys
Remote Sensing for Tunnel Siting Studies, Orville R. Russell, Dennis T. Stanczuk and John R. Everett, TE5:Sept 80:523:15676

Georgia
Atlanta's New Central Passenger Terminal Complex, James F. Kortan, TE6:Nov 80:765:15821
Balancing Fish and Fuel on Georgia's OCS, Jeannette H. Phillips and James O. Barber, CZ80:Nov 80: 1098
Facelifting City Streets, Warren Travers, CE:Aug 79: 79
First Line of Atlanta's New Transit System Opens, CE:July 79:77
Modeling Nitrogen, Oxygen, Chattahoochee River, Ga., Jeffrey E. Miller and Marshall E. Jennings, EE4:Aug 79:641:14748

Political Aspects of Urban Stormwater Management, Levi A. Brown, WR1:Mar 80:265:15268
Project Management — Pulling It All Together, James L. Lammie and D. P. Shah, TE4:July 80:437: 15523
Proposed Gray's Reef Marine Sanctuary: A Case Study, Carrol N. Curtis and Jeannette H. Phillips, CZ80:Nov 80:1969
Success Despite Our Worship, Carlton Fisher, HW80:Mar 80:96
Unpredicted Rapid Erosion, Tybee Island, Georgia, Frank H. Posey, Jr. and F. Wade Seyle, Jr., CZ80: Nov 80:1869

Geotechnical Engineering
Allocation of Risks—B, Terence G. McCusker, CRLS:Jan 79:II-56
Computer Applications in Geotechnical Engineering, M. S. Aggour, CP80:June 80:213
Gas and Liquid Fuel Pilpeline Seismic Design, William J. Hall and Robert P. Kennedy, C080:80: 150
Geology and Geotechnical Engineering, Robert F. Legget, GT3:Mar 79:339:14444
Geotechnical Aspects of Rubble-Mound Coastal Structures, Donald D. Treadwell, Albert P. Ridley and Orville T. Magoon, PO80:May 80:801
Geotechnical Engineering Data Systems, Joseph M. DeSalvo, SU80:June 80:165
Keynote Address, Spencer J. Buchanan, SLS:June 80: 661
Public Awareness of Homes Built on Shrink-Swell Soils, Wesley G. Holtz, SLS:June 80:617
Seismic Site Response of Nonlinear Soil Media, Peter W. Taylor and Thomas J. Larkin, GT3:Mar 78:369: 13597
Self-Boring Pressuremeter Tests in Clay, Gordon M. Denby and G. Wayne Clough, GT12:Dec 80:1369: 15950
Site Studies, Coastal/Geotechnical Aspects, Ralph H. Cross, George B. Tirey and Jin H. Kim, PO80:May 80:429
Uncertainity Analysis of Relative Density, Achintya Haldar and Wilson H. Tang, TN: GT7:July 79:899: 14665

Geothermal Energy
East Mesa Geothermal Test Site, Wayne A. Fernelius and Martin K. Fulcher, EE1:Feb 79:13:14361

Geothermal Powerplants
Automatic Steam Gathering Reduces Emissions at "The Geysers", CE:June 80:78

Giardiasis
Water Quality and Wildland Resource Management, Alan F. Galbraith, IRKB:July 80:298

Girders
Continuous Steel I-Girders: Optimum Proportioning, Abul K. Azad, ST7:July 80:1543:15575
Dynamics and Optimal Design of AGT System, Levon Minnetyan, Richard B. Nelson and D. Lewis Mingori, ST4:Apr 80:897:15365
Fatigue Strength of Fillet Welded Cruciform Joints, Karl H. Frank and John W. Fisher, ST9:Sept 79: 1727:14823
Local, Distortional, and Lateral Buckling of I-Beams, Gregory J. Hancock, ST11:Nov 78:1787:14155
Natural Frequency of Curved Box Girder Bridges, Conrad P. Heins and M. A. Sahin, ST12:Dec 79: 2591:15064
Shear Flexibility, Soren Lindgren, TN: ST10:Oct 79: 2117:14873
Stub Girders Cut Steel Use, CE:Oct 79:70

Glacial Till
Case History: Concrete-Filled Steel Pipe Piles, David E. Thompson and John W. Critchfield, GTDF:80:444
Case Study of a Hazardous Waste Disposal Facility, David E. Murray, EE80:July 80:433
Tile Drainage of Irrigated Till Soils in Alberta, B. A. Paterson and D. Brook Harker, IRKA:July 80:263

Glass
Glass Curtain Wall Elements:Properties and Behavior, Barry J. Goodno, ST6:June 79:1121: 14656

Glass Fibers
Imperfectly Bonded Unsymmetric Laminated Beam, K. M. Rao and B. G. Ghosh, EM4:Aug 80:685: 15623

Glass Reinforced Plastics
Design of Plastics Structural Components: Proposed ASCE Manual, Frank J. Heger, Richard E. Chambers and Albert G.H. Dietz, TC2:Dec 79:429: 15025

Glass Standards
A Review of Window Glass Design Practices, Joseph E. Minor, Preprint No.80-117, Apr 80, 19pp.

Glossaries
Preliminary Glossary of Terms Relating to Grouting, Lloyd R. Gebhart, Chmn., GT7:July 80:803:15581

Gluing
Banding for Structural Repair at Timber Connectors, R. Richard Avent, Leroy Z. Emkin and Paul H. Sanders, ST1:Jan 80:87:15126
Bending Strength of Curved Glued Laminated Timber, John A. Anderson and L. G. Booth, ST6: June 79:1167:14645
Five-Story Timber Framed Building, Byron L. Nishkian, CE:Aug 80:48
Glued-Laminated Beam Strength: A Model, Ricardo O. Foschi and J. David Barrett, ST8:Aug 80:1735: 15599
Nonlinear Layered Timber Cylindrical Shells, Peter J. Moss, Athol J. Carr and Nicholas C. Cree-Brown, ST10:Oct 79:2019:14932
Wood Beams Under Impact Load, Borislav D. Zakic, ST7:July 79:1489:14690

Gold
Changes to a Flood Plain Caused by Gold Dredging, W. A. Morris, ASDC:80:220

Gold Intermetallics
Changes to a Flood Plain Caused by Gold Dredging, W. A. Morris, ASDC:80:220

Government
"Government Contracts: Proposalmanship and Winning Stategies", CE:Apr 80:36

Government Agencies
Archeological Resources, Planning, and Construction, Are Tsirk, CO1:Mar 79:79:14439
Can Engineers Save the Republic?, Victor V. Veysey, EI2:Apr 80:123:15344
Contractual Arrangements—B, John P. Gnaedinger, CRLS:Jan 79:II-95
The Fourth Branch of Government, Murray A. Muspratt, EI2:Apr 78:129:13669
Geographic Data Bases, Richard E. Cornish, CP80: June 80:660
Land-Use Planning: Grows More Exact with the Help of USGS, CE:Feb 79:84
Legal Standard for Coastal Development Permission, Jonathan M. Davidson, CZ80:Nov 80:1341
Pitfalls of GSA-CMCS Software, Calin M. Popescu, CO1:Mar 79:95:14432
Preserving Public Access: The Bay Experience, Nancy Wakeman Twiss, CZ80:Nov 80:1418
Recent OTA Projects and Progress, Charles W. Wixom and Jeffrey P. Cohn, TC1:Apr 79:97:14487
Reducing Costs in Urban Transportation Construction, John W. Fondahl, Boyd C. Paulson, Jr. and Henry W. Parker, CO1:Mar 79:51:14406
Regional Planning for the Urban Waterfront, John R. Weingart, CZ80:Nov 80:286
Resolution of Shoreline Disputes, Peter L. Buck and Jeffrey A. Layton, CZ80:Nov 80:1058
Summary Session—C, John P. Jellico, CRLS:Jan 79: II-184

Tort Liability and the Highway Engineer, Jack B. Humphreys, HW80:Mar 80:249
Tort Liability as a Safety Incentive, James J. Stapleton, HW80:Mar 80:256
Tropical Storm Surge Forecasting in the National Weather Service, Chester P. Jelesnianski, EFHYF: Mar 79:65
Water Resources Planning — Historical Development, Theodore M. Schad, WR1:Mar 79:9: 14410
Working Within the Environmental Regulatory Process, Michael L. Barningham and Steven A. Ott, TE3:May 80:309:15423

Governmental Role
The New Energy Boom: Hydropower, Ann E. Seltz-Petrash, CE:Apr 80:66

Government Organization
The Fourth Branch of Government, Murray A. Muspratt, EI2:Apr 78:129:13669

Government Policies
New Umbrella Society for Engineering is Taking Shape, Kneeland A. Godfrey, Jr., CE:May 79:57
Opportunities in Engineering and Construction Entrepreneurship for Minorities, ASCE Board of Direction, EI2:Apr 79:77:14520

Grade Crossings (Railroad/Road)
Effectiveness Evaluations—An Engineer's View, Harry E. Strate, HW80:Mar 80:71
Grade-Crossing Accident Prediction, Lawrence W. Margler and Michael B. Rogozen, TE3:May 80: 257:15408
The Rail-Highway Grade Crossing Program—A State's View, Robert E. Craven, HW80:Mar 80:124
Railroad Highway Grade Crossing Program: Railroad View, Frederick J. Kull, HW80:Mar 80:130

Grade Separation
More Than Just Another Routine Job, CE:June 79:69

Gradually Varied Flow
Varied Flow Functions for Circular Channels, Chandramouli Nalluri and John H. Tomlinson, HY7:July 78:983:13889
Water Surface Profile for Horseshoe Tunnel, Walter W. Hu, TE2:Mar 80:133:15256

Graduate Study
Advising Non-CE Students in Graduate Programs, Larry W. Canter, EI1:Jan 78:9:13466
Consulting Engineering Graduate Education, Lloyd H. Ketchum, Jr., EI4:Oct 79:197:14889
Master's Degree - A Mixed Bag, James V. Parcher, EI4:Oct 79:227:14921

Grains
The Logistics System for Grain Exports, Lowell D. Hill, Preprint No.80-667, Oct 80, 11pp.

Grain Size
Gravel Size Analysis from Photographs, John Adams, HY10:Oct 79:1247:14908

Grain Size Analysis
How about Reverse Filters, Chesley J. Posey, CE:Apr 80:78

Granular Materials
Particle Contacts in Discrete Materials, Dimitri Athanasiou-Grivas and Milton E. Harr, TN: GT5: May 80:559:15432
Shearing Flows of Granular Materials, Stephen L. Passman, Jace W. Nunziato, Paul B. Bailey and John P. Thomas, Jr., EM4:Aug 80:773:15647

Granular Media
Air-Water Flow in Coarse Granular Media, Alim A. Hannoura and John A. McCorquodale, HY7:July 78:1001:13888
Granular Media Filtration of Dredging Effluents, Dimitrios K. Atmatzidis, Joseph A. FitzPatrick and Raymond J. Krizek, WW1:Feb 79:33:14342
Virtual Mass of Coarse Granular Media, Alim A. Hannoura and John A. McCorquodale, WW2:May 78:191:13734

Graphical Analysis
Engineer's Notebook: Graphs for Saline Wedges in Estuaries, Emmanuel Partheniades, Vassilios Dermisis and Ashish J. Mehta, CE:Jan 80:90

Graphic Methods
Development of New Features for Ices Project/I, Edmond T. Miresco, CP80:June 80:151
History of Computer Graphics in the U.S. Army Corps of Engineers, Harry F. Hardin and James M. Jones, II, CP80:June 80:10

Graphic Techniques
Dimensionless Advance for Level-Basin Irrigation, Albert J. Clemmens and Theodor Strelkoff, IR3: Sept 79:259:14820
Graphical Display of Watershed Management Options, Rhey M. Solomon and Larry J. Schmidt, IRKB:July 80:1026
Interactive Graphics: Stage II Special Applications, James O. Howell and David F. Sinton, SU80:June 80:54

Graphite Fibers
Building Skyscrapers in Orbit, Michael J. Bartos, Jr., CE:July 79:66

Graphs
Engineer's Notebook: Graphs for Saline Wedges in Estuaries, Emmanuel Partheniades, Vassilios Dermisis and Ashish J. Mehta, CE:Jan 80:90

Graphs (Charts)
A New Manual on Map Uses, Scales, and Accuracies, Carl B. Feldscher, SU1:Nov 80:143: 15853
Plotter Applications in Highway Design, William T. Till, TC1:Apr 79:239:14539

Graph Theory
Extended Set of Components in Pipe Networks, M. Chandrashekar, HY1:Jan 80:133:15130

Grasses
Establishing Cool-Season Grasses on Mine Spoils, Earl F. Aldon, David G. Scholl and Charles P. Pase, IRKB:July 80:91
Fire Rehab in the Bend Municipal Watershed, Bruce P. McCammon and Dallas Hughes, IRKB:July 80: 252

Gravel
Bar Resistance of Gravel-Bed Streams, Gary Parker and Allan W. Peterson, HY10:Oct 80:1559:15733
Flow Resistance in Gravel-Bed Rivers, Richard D. Hey, HY4:Apr 79:365:14500
Gravel Mining and Land Development Can Go Hand in Hand, Harold F. Bishop and Bruce E. Hanna, CE:Feb 79:65
Gravel Size Analysis from Photographs, John Adams, HY10:Oct 79:1247:14908
Hydraulic Geometry of Active Gravel Rivers, Gary Parker, HY9:Sept 79:1185:14841
Impact of Gravel Mining on River System Stability, Peter F. Lagasse, Brien R. Winkley and Daryl B. Simons, WW3:Aug 80:389:15643
Submerged Horizontal Jet over Erodible Bed, S. S. Chatterjee and S. N. Ghosh, HY11:Nov 80:1765: 15820

Gravels
Armored Versus Paved Gravel Beds, Dale I. Bray and Michael Church, TN: HY11:Nov 80:1937: 15791
Geometry of Gravel Streams, Howard H. Chang, HY9:Sept 80:1443:15678

Gravel Barrier Genesis and Management: A Contrast, R. W.G. Carter and J. D. Orford, CZ80: Nov 80:1304

Graving Docks
New Graving Dry Dock at Tampa, Florida, Robert I. Young, WW1:Feb 80:19:15184

Gravitational Water
Optimal Design of Gravity Flow Water Conduits, Roberto Canales-Ruiz, HY9:Sept 80:1489:15714

Gravity
Gravity Load and Vertical Ground Motion Effects on Earthquake Response of Simple Yielding Systems, Oscar A. Lopez and Anil K. Chopra, EM4:Aug 79: 525:14735
Intrusion Pile Foundation Case History, Larry G. O'Dell and John M. Pool, GTDF:80:300

Gravity Walls
Seismic Behavior of Gravity Retaining Walls, Rowland Richards, Jr. and David G. Elms, GT4: Apr 79:449:14496

Gravity Waves
Damping of Gravity Waves Over Porous Bed, Kewal K. Puri, HY2:Feb 80:303:15214

Grazing
Sediment from a Small Summer Grazed Watershed, David H. Fortier, Myron Molnau and Keith E. Saxton, IRKB:July 80:790
Unconfined Grazing and Bacterial Water Pollution—A Review, Everett P. Singer and Gerald F. Gifford, IRKB:July 80:578
Watershed Parameters as Influenced by Grazing, W. H. Blackburn, R. W. Knight, M. K. Wood and L. B. Merrill, IRKB:July 80:552

Grazing Land
Riparian Response to Certain Grazing Management, John C. Buckhouse, IRKB:July 80:573
Sediment from a Small Summer Grazed Watershed, David H. Fortier, Myron Molnau and Keith E. Saxton, IRKB:July 80:790
Unconfined Grazing and Bacterial Water Pollution—A Review, Everett P. Singer and Gerald F. Gifford, IRKB:July 80:578
Watershed Management in Action on the Boise Front, Clifton W. Johnson, Glen M. Secrist, Gerald C. Scholten and Robert J. Baum, IRKB:July 80:998

Great Britain
Engineering and Constructing Marine Superprojects, Marshall P. Cloyd, CO1:Mar 79:65:14435
Thames River Flood Barrier, P. A. Cox, CE:Apr 79: 68
World's First Iron Bridge, Marc H. Sawyer, CE:Dec 79:46

Great Lakes
The Chicago Region's Valuable Water Resources, Clint J. Keifer, WR2:July 80:541:15569
Great Lakes Storm Surge Flood Forecasting Methods, Keith W. Bedford, Mark D. Prater and Steven Dingman, HYUS:June 80:289
Lake Erie Airport—Status Update, Cameron M. Smith, TE3:May 80:227:15410
Modeling Ice Regime of Lake Erie, Akio Wake and Ralph R. Rumer, Jr., HY7:July 79:827:14694
New Coast Guard Icebreakers for the Fourth Coast, Alan S. Gracewski, CZ80:Nov 80:624
Urban Riverfront Expansion, D. B. Robbins, J. M. Armstrong, C. L. Kureth, Jr., D. V. Pratt and T. V. Dobson, CZ80:Nov 80:236

Greens Function
Viscoelastic Inclusion Problem, Norman Laws, EM5: Oct 80:915:15736

Grid Systems
Anisotropic Skew Plates and Grids, Mahendrakumar R. Vora and Hudson Matlock, EM2:Apr 79:237: 14511
Design of Counterstressed Cable Structures, Dennis Clarke, ST11:Nov 80:2259:15794
Environmental Optimization of Power Lines, Spyros Economides and Manijeh Sharifi, EE4:Aug 78:675: 13951
Grid on Elastic Foundation with Rotational Restraints, M. A. Kassem, F. M. El-Amin and L. Greimann, TN: ST7:July 80:1645:15517
The Use of Photochemical Grid Models to Analyze Transportation Actions, Martin H. Weiss, CAAA: Nov 79:322

Grinding
$20 Million for Billet Grinding Eliminates Waste, CE:June 79:64

Groins (Structures)
Barrier Island Management, Stephen P. Leatherman, CZ80:Nov 80:1470
Unpredicted Rapid Erosion, Tybee Island, Georgia, Frank H. Posey, Jr. and F. Wade Seyle, Jr., CZ80: Nov 80:1869

Ground Cover
Fire Rehab in the Bend Municipal Watershed, Bruce P. McCammon and Dallas Hughes, IRKB:July 80: 252

Ground Motion
Building on Expansive Soils in South Africa: 1973-1980, Antony AB Williams and George W. Donaldson, SLS:June 80:834
Earthquake Simulation Using Contained Explosions, John R. Bruce and Herbert E. Lindberg, EM81:Jan 81:111
A Fault-Rupture Propagation Model For Groung Motion Simulation, Yoshikazu Yamada and Shigeru Noda, EM81:Jan 81:235
Gravity Load and Vertical Ground Motion Effects on Earthquake Response of Simple Yielding Systems, Oscar A. Lopez and Anil K. Chopra, EM4:Aug 79: 525:14735
High Explosive Simulation of Earthquake-Like Motions, Cornelius J. Higgins, Roy L. Johnson, George E. Triandafilidis and David W. Steedman, EM81:Jan 81:126
Nonstationary Risk Model with Geophysical Input, Jean B. Savy, Haresh C. Shah and David Boore, ST1:Jan 80:145:15115
Pipeline Response to Random Ground Motion, Aly Hindy and Milos Novak, EM2:Apr 80:339:15308
Practical Design of Pipeline Control & Flexibility, James J. Van Houtte, C080:80:121
Predrilling: Minimizes the Undesirable Effects of Pile Installation?, Richard P. Ray, Edward J. Ulrich, Jr. and James Malinak, GTDF:80:459
Probabilistic Procedures for Peak Ground Motions, John A. Blume and Anne S. Kiremidjian, ST11:Nov 79:2293:14976
Research Needs in Lifeline Earthquake Engineering, Irving J. Oppenheim, Chmn., TC2:Dec 79:343: 15089
Seismic Zonation in the San Francisco Bay Region, Earl E. Brabb, C080:80:54
Transient Analysis of Light Equipment in Structures, Jerome L. Sackman and J. M. Kelly, EM81:Jan 81: 723
The Use of Computers in Earthquake Engineering, Wayne W.H. Chen and M. Chatterjee, CP80:June 80:197
3-D Nonlinear Dynamic Analysis of Stacked Blocks, Kiyoshi Muto, Hiromoto Takase, Kiyomi Horikoshi and Hiromichi Ueno, EM81:Jan 81:917

Ground Shock
Transient Analysis of Light Equipment in Structures, Jerome L. Sackman and J. M. Kelly, EM81:Jan 81: 723

Ground Support Equipment
Field Study of Tunnel Prereinforcement, Gregory E. Korbin and Tor L. Brekke, GT8:Aug 78:1091: 13948

Ground Water
Analysis of Landfills with Historic Airphotos, Thomas L. Erb, Warren R. Philipson, William L. Teng and Ta Liang, AS80:Aug 80:15
Aquifers: Finite-Element Linear Programming Model, K. Elango and Gerhard Rouve, HY10:Oct 80:1641: 15734
Aquifer Tests at San Lorenzo Dam, El Salvador, Jing-Yea Yang and Sanford I. Strausberg, HYCO: Aug 80:119
Artificial Recharge in South Platte River Basin, Loren K. Weston and Robert E. Swain, IR2:June 79:117:14606
Asymmetric Variation of Ghyben-Herzberg Lens, Daniel Wayne Urish, HY7:July 80:1149:15533
Boundary Solutions to Two Problems in Porous Media, Philip La-Fan Liu and James A. Liggett, HY3:Mar 79:171:14419
Case Study of a Hazardous Waste Disposal Facility, David E. Murray, EE80:July 80:433
The Chicago Region's Valuable Water Resources, Clint J. Keifer, WR2:July 80:541:15569
Coal Mining Effects on Western Groundwater Quality, Rollin H. Hotchkiss and J. Paul Riley, IRKA:July 80:1
Composite Water Movement in a Sloping Phosphate Mine Dump, Roland W. Jeppson and Eugene E. Farmer, IRKB:July 80:855
Dade County's Plan for Aquifer Management, Douglas Yoder, Paula Church, Jorge Rodriguez and Anthony Clemente, Preprint No.80-577, Oct 80, 14pp.
Detection Methods for Location of Subsurface Water and Seepage, Robert M. Koerner, Jonathan S. Reif and Michael J. Burlingame, GT11:Nov 79:1301: 14989
Dual Recharge Well for Water Supply Stabilization, William H. Fleming, Jr. and Gerald E. Speitel, EE80:July 80:257
Establishing Ground Water Rights Using a Model, James W. Naney and Douglas C. Kent, IRKB:July 80:117
Geotechnical Engineering Data Systems, Joseph M. DeSalvo, SU80:June 80:165
Ground and Surface Water Interaction—Legal Aspects, William E. Kelly, WR1:Mar 80:55:15234
Ground-Water Flow Computations by Method of Lines, Antonis D. Koussis and Richard W. Watson, IR1:Mar 80:1:15238
Ground-Water Management with Fixed Charges, Eduardo Aguado and Irwin Remson, WR2:July 80: 375:15521
Ground-Water Quality at Rapid Infiltration Site, James V. Olson, Ronald W. Crites and Paul E. Levine, EE5:Oct 80:885:15768
Ground-Water Storage for California Water Project, Jack J. Coe, IR3:Sept 79:305:14832
Ground-Water Surface-Water Conflicts, Morton W. Bittinger, WR2:July 80:467:15567
Hydrogeology of a Shallow Till Under Irrigation, M. James Hendry, IRKA:July 80:21
The Impact of Irrigation on Ground Water Quality, David L. Carter, IRKA:July 80:13
Mass Transport in Regional Groundwater Basins, Thomas G. Naymik and Lewis D. Thorson, HYCO: Aug 80:407
Minimizing Risks and Mitigating Losses—C, Joe B. McNabb, CRLS:Jan 79:II-138
New Initiatives in Water Supply and Planning: A State Perspective, Robert A. Cook, Preprint No.80-597, Oct 80, 7pp.
Park River Auxiliary Tunnel, Edwin A. Blackey, Jr., CO4:Dec 79:341:15076
Phosphate Mine Dump Hydrology, Eugene E. Farmer, IRKB:July 80:846
Prediction of Non-Darcy Flow in Porous Media, Jan de Vries, IR2:June 79:147:14610
Remote Sensing Study of Sinkhole Occurrence, Jay W. Casper, Byron E. Ruth and Janet D. Degner, AS80:Aug 80:1
Reservoir-Aquifer Interaction, Zachary M. Kasomekera and James N. Luthin, IRKA:July 80: 120
SIND Modeling for Unsteady Flow Assessments, Joel L. Caves and Robert L. Johnson, HYCO:Aug 80:281
Soil Chemistry Changes at Rapid Infiltration Site, Paul E. Levine, Ronald W. Crites and James V. Olson, EE5:Oct 80:869:15767
Storage Coefficients from Ground-Water Maps, Brij M. Sahni and Harbhajan S. Seth, IR2:June 79:205: 14658
Storage of Freshwater in Saline Aquifers, Satya P. Singh and Valdali V.N. Murty, IR2:June 80:93: 15476
Surface Water Inventory through Satellite Sensing, Srinivasan Thiruvengadachari, Pavuluri Subba Rao and Keshavamurthi Ramachandra Rao, WR2:July 80:493:15563
Systematic Groundwater Development Under Risk, John W. Labadie, Duane R. Hampton and Warren A. Hall, Preprint No.80-146, Apr 80, 22pp.
Transient Reservoir-Aquifer Interaction, Antonis D. Koussis, HY6:June 79:637:14630
Two-Dimensional Plume in Uniform Ground-Water Flow, John L. Wilson and Paul J. Miller, HY4:Apr 78:503:13665
Underground Travel of Renovated Wastewater, Robert C. Rice and Peter Raats, EE6:Dec 80:1079: 15912
Water Resources Implications of Energy Development, Jeffrey S. Mahan and Jay D. White, EY1:Apr 80:45:15366
Water Retention Measurement for Soils, Charles Su and Royal H. Brooks, IR2:June 80:105:15483

Groundwater Chemistry
Portland Cement Concrete Underground Pipelines, Philip H. Perkins, TE5:Sept 79:577:14863

Groundwater Depletion
Subsidence—A Geological Problem with a Political Solution, Ann E. Seltz-Petrash, CE:May 80:60

Groundwater Flow
Hydrogeology of a Shallow Till Under Irrigation, M. James Hendry, IRKA:July 80:21
Underground Travel of Renovated Wastewater, Robert C. Rice and Peter Raats, EE6:Dec 80:1079: 15912

Groundwater Management
Dade County's Plan for Aquifer Management, Douglas Yoder, Paula Church, Jorge Rodriguez and Anthony Clemente, Preprint No.80-577, Oct 80, 14pp.
Determining Impact of Irrigation on Ground Water, Irfan A. Khan, IR4:Dec 80:331:15927
Subsidence—A Geological Problem with a Political Solution, Ann E. Seltz-Petrash, CE:May 80:60

Groundwater Quality
Coal Mining Effects on Western Groundwater Quality, Rollin H. Hotchkiss and J. Paul Riley, IRKA:July 80:1
Dispersion Modeling in Time and Two Dimensions, Jonathan F. Henry and Edward G. Foree, EE6:Dec 79:1131:15054
Entrenchment of Sewage Sludge—a Disposal-Use Alternative, L. J. Sikora and D. Colacicco, CE:Apr 80:80
Groundwater and Non-Point Pollution: Key Water Quality Issues of the 1980's, Eugene E. Dallaire, CE:Sept 80:71
Ground-Water Pollution by Septic Tank Drainfields, Foppe B. DeWalle and Russell M. Schaff, EE3:June 80:631:15496
Ground-Water Quality at Rapid Infiltration Site, James V. Olson, Ronald W. Crites and Paul E. Levine, EE5:Oct 80:885:15768

The Impact of Irrigation on Ground Water Quality, David L. Carter, IRKA:July 80:13
Land Disposal of Coal Gasification Residue, William J. Boegly, Jr., Henry W. Wilson, Jr., Chester W. Francis and E. C. Davis, EY2:Oct 80:179:15757
Land Treatment Design Based on Long-Term Operation, Daniel J. Hinrichs and Richard Thomas, EE80:July 80:355
Predicting Industrial Waste Impact on Ground Water, Kenneth F. Rosanski, Ian Watson, Gregory R. Fischer and Daniel B. Kleiman, Preprint No.80-535, Oct 80, 14pp.
Secure Land Burial of Hazardous Wastes: A State-of-the-Art Example, Robert D. Mutch, Jr., EE80:July 80:426
Septic System Problems on an Urban Fringe, Darryl R. Goehring and F. Robert Carr, WR1:Mar 80:89:15278
Septic Tank Systems — Effects on Evironmental Quality, Thiruvenkatachari Viraraghavan, Preprint No.80-601, Oct 80, 12pp.

Ground Water Recharge
Artificial Recharge in South Platte River Basin, Loren K. Weston and Robert E. Swain, IR2:June 79:117:14606
Groundwater Recharge: Economic Benefit Quantified, Lonnie D. Schardt, IRKB:July 80:129
Groundwater Response during Runoff Events, Michael G. Sklash and Robert N. Farvolden, IRKB: July 80:743
Ground-Water Storage for California Water Project, Jack J. Coe, IR3:Sept 79:305:14832
Urbanizing Irrigated Valleys for Optimum Water Use, Herman Bouwer, UP1:Jan 79:41:14281
Use of Highly-Treated Wastewater to Recharge the Ground-Water Reservoir in Nassau County, Long Island, New York, David A. Aronson, EE80:July 80:214
Water Reuse Markets and Project Costs in Southern California, Frank A. Grant, Norman G. Hixson, Paul Teigen and E. Wiley Horne, EE80:July 80:640

Groundwater Supply
Use of Highly-Treated Wastewater to Recharge the Ground-Water Reservoir in Nassau County, Long Island, New York, David A. Aronson, EE80:July 80:214

Grout
Resorcinolic Grout for Injecting Sandy Foundations, Arvind V. Shroff and Dhananjay L. Shah, TN: GT10:Oct 80:1153:15724

Grouting
Future Advances in Soil Placement and Improvement, J. Richard Bell, GT1:Jan 78:1:13469
Ground Control for Shallow Tunnels by Soil Grouting, David Y. Tan and G. Wayne Clough, Preprint No.80-106, Apr 80, 23pp.
Ground Control for Shallow Tunnels by Soil Grouting, David Y. Tan and G. Wayne Clough, GT9:Sept 80:1037:15716
New Aspects of Soil Fracturing in Clay, Karl Rainer Massarsch, GT8:Aug 78:1109:13961
Northfield Mountain Pumped Storage Project: Performance, William F. Swiger, Philip A. Wild and Thomas J. Lamb, GT6:June 80:673:15506
Preliminary Glossary of Terms Relating to Grouting, Lloyd R. Gebhart, Chmn., GT7:July 80:803:15581
Repair of Waterstop Failures, Ernest K. Schrader, EY2:Oct 80:155:15741
Resorcinolic Grout for Injecting Sandy Foundations, Arvind V. Shroff and Dhananjay L. Shah, TN: GT10:Oct 80:1153:15724
Rock Anchor System for Securing Failing Wall, Peter J. Nicholson, TE2:Mar 79:199:14434
Seepage Cutoff Wall Installed Through Dam is Construction First, Frank B. Couch, Jr. and Arturo L. Ressi di Cervia, CE:Jan 79:62
Shear Strength of Concrete Masonry Joints, Ahmad A. Hamid, Robert G. Drysdale and Arthur C. Heidebrecht, ST7:July 79:1227:14670
Silicate-Stabilized Sands, G. Wayne Clough, William M. Kuck and Gyimah Kasali, GT1:Jan 79:65:14335
Tensile Strength of Concrete Masonry, Robert G. Drysdale, Ahmad A. Hamid and Arthur C. Heidebrecht, ST7:July 79:1261:14669
Venezuelan Dock Features Unconventional Design, Quick Set-Up, CE:July 80:63

Growth Projections
Economic Issues of Growth Management in Florida, James C. Nicholas, Preprint No.80-611, Oct 80, 9pp.
Secondary Treatment Alternatives: Suspended Growth, Gordon L. Culp, Chmn., EE2:Apr 79:283:14528
Using Fiscal Models to Evaluate Land Plans — The Suburban Montgomery County Maryland Experience, Drew Dedrick, SU80:June 80:88

Growth Stages
Using Fiscal Models to Evaluate Land Plans — The Suburban Montgomery County Maryland Experience, Drew Dedrick, SU80:June 80:88

Guidelines
Attitude, Guidelines, and Technology in Plan Formulation, William K. Johnson, EFHYF:Mar 79:342
Engineers on the Witness Stand: Guidelines for Expert Testimony, John Huston, CE:Feb 79:82
Floodplain Management: New Federal Groundrules, Timothy E. Maywalt, CZ80:Nov 80:1200
Geometric Guidelines for RRR Projects, C. William Gray, Preprint No.80-542, Oct 80, 8pp.
The Impact of EPA's Proposed Guidelines for the Landfill Disposal of Solid Wastes, Wayne K. Tusa, Preprint No.80-590, Oct 80, 13pp.
Technical Aspects of Metric Construction, Edward R. Lewandowski, Preprint No.80-516, Oct 80, 12pp.
Urban Development and Flood Hazards at Shepparton, N. W. Tappe, ASDC:80:213

Guideways
Two Pacific Region Peoplemovers, Gary A. Weinstein, MGC:July 80:315

Guideway Systems
Two Pacific Region Peoplemovers, Gary A. Weinstein, MGC:July 80:315

Gulfs
IXTOC I Oil Spill and Atlantic Ridley Turtle Survival, Donald S. Delikat, CZ80:Nov 80:312

Gullies
Knickpoint Migration due to Baselevel Lowering, Ze'ev B. Begin, David F. Meyer and Stanley A. Schumm, WW3:Aug 80:369:15651

Gusts
Wind Effects on Cooling-Tower Shells, Hans-Jurgen Niemann, ST3:Mar 80:643:15251

Guyed Towers
Cable Spring Constants for Guyed Tower Analysis, Richard A. Skop, ST7:July 79:1307:14675
Guyed Towers Under Arbitrary Loads, Felix Rosenthal and Richard A. Skop, ST3:Mar 80:679:15247

Guy Wires
Stability of Guyed Towers, Alexander Chajes and Wen-Sen Chen, ST1:Jan 79:163:14327

Gypsum
Reinforced Gypsum for Egyptian Housing, Mahmoud A. Reda Youssef and Albert G.H. Dietz, Preprint No.80-169, Apr 80, 20pp.

Half Space
Dynamic Stiffness Matrices for Viscoelastic Half Planes, Gautam Dasgupta and Anil K. Chopra, EM5:Oct 79:729:14888

Halogen Organic Compounds
Air Pollution Aspects of Land Disposal of Toxic Wastes, Thomas T. Shen and T. James Tofflemire, EE1:Feb 80:211:15213

Handicapped
Service Quality Implications of Transbus, Steven E. Polzin and Joseph L. Schofer, TE5:Sept 79:561: 14862
Special Projects Strengthen CE Student Development, Peter J. Tavino, Jr., CE:May 79:86

Handicapped Passengers
Improved Mobility for Elderly and Handicapped People, James A. Bautz, Preprint No.80-609, Oct 80, 13pp.

Hangars
Notched Trusses Give Low-Cost Conversion of Hangars for Jumbo Jets, Edward H. Strand and Stephen H. Barnes, CE:June 80:88

Harbor Engineering
Port Planning and Economic Development, Daniel P. O'Halloran, PO80:May 80:47

Harbor Facilities
Case Histories of Harbor Developments in Weak Soils, William Enkeboll and Vernon A. Smoots, WW4:Nov 80:429:15832
Design of a Tanker Mooring System for Dynamic Loads, Shih-lih Steve Fang and Robert M. Schneider, PO80:May 80:747
Design Today for Tomorrow, Linda L. Gerbode, PO80:May 80:186
Facility Site Evaluation and Chemical Hazards, John S. Gardenier and Michael C. Parnarouskis, PO80: May 80:555
General Permits: Method of Criteria Development, James W. Holton, Jr., CZ80:Nov 80:1026
Integrated Port Design and Planning Process, Martin T. Czerniak, Arthur Rubinstein and J. Ian Collins, PO80:May 80:440
New Foundation System for Granite Seawall, Victor V. Calabretta and Peter Sullivan, PO80:May 80:807
New Tools for Resolving Conflicts in Port Planning, Edward J. Linky and Bruce H. Hoff, CZ80:Nov 80: 881
Performance Analysis of Tethered Float Breakwater, Richard J. Seymour and Daniel M. Hanes, WW3: Aug 79:265:14755
Port Reception Facilities and the Coastal Zone, Henry S. Marcus, CZ80:Nov 80:1594
Port Throughput Study Using Simulation Technique, Alan F. Daniell and Mahendrakumar R. Vora, PO80:May 80:282
Recent Design and Construction of Cargo Wharves, Robert R. Adams, MGC:July 80:75
Renovation of New York Harbor, Theodore Civetta, Jr. and Philip C. Sears, CZ80:Nov 80:898
Virginia Ports Workshop, Carvel H. Blair, PO80:May 80:248

Harbors
Big Cajun No. 2 Docks: Planning and Design, Duli C. Sharma, PO80:May 80:100
Calibration of Numerical Model for Harbor Waves, Herman Bomze, HYCO:Aug 80:441
Combined Sewer Overflow Controls for Boston Harbor, John R. Elwood, William F. Callahan and John A. Mueller, EE80:July 80:464
Drag of Yawed Pile Groups at Low Reynolds Numbers, David J. Ball and Clifford D. Hall, WW2:May 80:229:15425
Effect of Drainage Inlets on Recreation Facilities, Donald F. Mills, HYUS:June 80:388
Large Rubble-Mound Breakwater Failures, Eugene H. Harlow, TN: WW2:May 80:275:15385
Math Model for Harbor Waves/Ship Motions/ Moorings, Herman Bomze, PO80:May 80:624
Multi-Modal Transportation in Hawaii, E. Alvey Wright, MGC:July 80:1
Numerical Modeling of Tidal Circulation in Harbors, Roger A. Falconer, WW1:Feb 80:31:15187
Oil Terminal Relocation at Long Beach, California, Charles F. Connors and Michael G. Burke, PO80: May 80:172
Port Energy Conservation, Carlton H. Joseph, PO80: May 80:89
Renovation of New York Harbor, Theodore Civetta, Jr. and Philip C. Sears, CZ80:Nov 80:898
Small Craft Harbor Evaluation, Phillip Alan Cline, CZ80:Nov 80:942
Systematic Evaluation of Navigation in Harbors, Ronald K. Gress and John D. French, PO80:May 80:568
Transportation Needs - Northern Mariana Islands, Robert B. Deadwyler, Sr., MGC:July 80:268
Wave Tank Use In Small Boat Harbor Design, Newport News, Virginia, Christopher S. Welch, Evon Paul Ruzecki, Robert James Lukens and Ching Seng Fang, PO80:May 80:614

Harbor Structures
Power from Waves Using Harbor Resonators, William James, WW1:Feb 80:99:15210
Reinforced Earth Structures for Port Development, David P. McKittrick, PO80:May 80:786

Hardness
Railroad Ballast Load Ranking Classification, Gerald Patrick Raymond and Vishnu A. Diyaljee, GT10: Oct 79:1133:14900

Hatching
IXTOC I Oil Spill and Atlantic Ridley Turtle Survival, Donald S. Delikat, CZ80:Nov 80:312

Hawaii
Electricity from the Sea, Frank McHale, CE:June 80: 73
Honolulu International Airport Groundside Plan, Edward C. Stevenson and Julian Ng, MGC:July 80: 212
Honolulu International Airport Master Plan Study, Donald Maddison, MGC:July 80:65
Honolulu Mass Transit — Past, Present, and Future, Robert R. Way, MGC:July 80:396
Honolulu Sewage Plant Pioneers Advanced Primary Treatment, Has Deepest Ocean Outfall, Wallace S. Miyahira and Stanley T. Yamanaka, Jr., CE:June 79:76
The Impact of EIS Requirements of Hawaii's Transportation Programs, Ryokichi Higashionna, MGC:July 80:204
Making TheBus Better, Walter Kudlick, Akira Fujita, Howard Takara and Robert R. Way, MGC:July 80: 332
Multi-Modal Transportation in Hawaii, E. Alvey Wright, MGC:July 80:1
State Airport Planning and Financing, Owen Miyamoto, MGC:July 80:14
Studying Route Structures in the Pacific, A. C. Busch and R. Woodruff, MGC:July 80:55
Two Pacific Region Peoplemovers, Gary A. Weinstein, MGC:July 80:315

Hazardous Materials
Broad Area Searches for Hazardous Waste Disposal, Allen W. Hatheway, Pickett T. Simpson and John L. Splendore, EE80:July 80:329
Case Study of a Hazardous Waste Disposal Facility, David E. Murray, EE80:July 80:433
Classification of Hazardous Wastes, Albert J. Klee and Michael U. Flanders, EE1:Feb 80:163:15205
Facility Site Evaluation and Chemical Hazards, John S. Gardenier and Michael C. Parnarouskis, PO80: May 80:555
Hospital Solid Waste Management: A Case Study, Damodar S. Airan, John H. Bell, Lalita D. Airan and Daniel T. McMurray, EE4:Aug 80:741:15613
The Impacts of the Resource Conservation and Recovery Act on Wood Fired Energy Systems, Hugh T. Carson and Dennis W. Weeter, EE80:July 80:508
Indirect Techniques for Investigating Hazardous Waste Burial Sites, Richard C. Dorrler, EE80:July 80:576

Installation Restoration—An Army Initiative, Frank A. Jones, Jr., Donald K. Emig and John P. Glennon, EE80:July 80:571
Location and Remediation of Abandoned Hazardous Wastes Sites, Norman H. Nosenchuck, EE80:July 80:560
The Love Canal Remedial Action Report, Joseph L. Slack, EE80:July 80:564
Management of Hazardous Waste Using Regional Concepts, Richard A. Gardner and Mahlon B. White, EE80:July 80:453
NEWCO and SCA — Harbingers for Future Hazardous Waste Siting Wrangles?, Peter N. Skinner, EE80:July 80:657
Oil Pollution Still a Problem for America's Ports, Roy W. Hann, Jr., PO80:May 80:710
RCRA Implementation and the Environmental Engineer's Role, John Lynch, EE80:July 80:199
Secure Land Burial of Hazardous Wastes: A State-of-the-Art Example, Robert D. Mutch, Jr., EE80:July 80:426
Siting of Hazardous Waste Management Facilities, Dawn D. Roderique and Timothy D. Van Epp, EE80:July 80:320
Summary: Geologic Considerations in Hazardous-Waste Disposal, Keros Cartwright, Robert H. Gilkeson and Thomas M. Johnson, Preprint No.80-624, Oct 80, 5pp.

Hazards
Assessment of Expansive Soils in the United States, James P. Krohn and James E. Slosson, SLS:June 80:596
Consideration of Seismic Hazards in Lifeline Design, A. H-S. Ang, C080:80:215
Current Practice In Managing Coastal Flood Hazards, Steven P. French and Raymond J. Burby, CZ80:Nov 80:1204
Economic and Seismic Hazard Mitigation for a Gas and Electric Utility, Ricahrd V. Bettinger, C080:80:98
Expansive Clay Hazards for Shallow Foundations, Michael W. O'Neill and Nader Poormoayed, Preprint No.80-081, Apr 80, 30pp.
Facility Site Evaluation and Chemical Hazards, John S. Gardenier and Michael C. Parnarouskis, PO80:May 80:555
Hazard Assessment of an Arch Dam in a Seismic Zone, Donald E. Bowes, Antonio X. Sison and Alan L. O'Neill, Preprint No.80-055, Apr 80, 30pp.
Hazardous Location Program, Edwin M. Smith, HW80:Mar 80:109
Lake Byllesby Dam — Mitigation of Hazard, Lawrence W. Gubbe, Preprint No.80-054, Apr 80, 22pp.
Land Subsidence and Earth Fissuring in Central Arizona, Lewis E. Scott, Preprint No.80-140, Apr 80, 12pp.
Legal Aspects of Coastal Natural Hazards Management, Richard G. Hildreth, CZ80:Nov 80:1370
Lifelines, Seismic Hazards and Public Policy, Charles Conrad Thiel, Jr., C080:80:6
Local Assistance: A Problem in Translation, Stephen Olsen, CZ80:Nov 80:1510
Numerical Aid to Reduce Construction Injury Losses, Lawrence I. Knab, CO4:Dec 78:437:14213
Probabilistic Procedures for Peak Ground Motions, John A. Blume and Anne S. Kiremidjian, ST11:Nov 79:2293:14976
Quantifying Hazards Information for Lifelines, Jeanne B. Perkins, C080:80:34
Reducing Hazards Associated with Spillways for Dams, Erwin Thomas Scherich, Preprint No.80-063, Apr 80, 19pp.
Response to a Changing Coastal Environment, Kenneth C. Caldwell, CZ80:Nov 80:1228
Using High Salinity Waters in the Southwest, John R. Erickson, IRKA:July 80:198
The Vehicle Operator in the Safety Equation, Elmer Brown, HW80:Mar 80:29
Washington's Automated Coastal Data Base: The Coastal Zone Atlas, Sue Wenke and Marc Horton, CZ80:Nov 80:2291

H Beams
Aerodynamic Response of Long H-Sections, Francis J. Maher and Larry E. Wittig, ST1:Jan 80:183:15105

Head (Fluid Mechanics)
Upsurge and Speed-Rise Charts Due to Pump Shutdown, Benjamin Donsky, Roxanne M. Byrne and Paul E. Bartlett, HY6:June 79:661:14637

Head Losses
Head Losses in Packer Tests, Peter J. Moore and Roberto E. Balbis, TN: GT9:Sept 79:1108:14798
Head-Loss Measurements on Hydroelectric Conduits, T. Maxwell Brett, HY1:Jan 80:173:15109
Hydraulics of Microtube Emitters, Krishanlal C. Khatri, I-Pai Wu, Harris M. Gitlin and Allan L. Phillips, IR2:June 79:163:14613
Laboratory Tests of Gravel Envelope Flow Resistance, E. R. Zeigler and Ray J. Winger, IRKA:July 80:166

Headwaters
Natural Fluctuations of Water Quality in a Headwater Stream, Joe F. Nix, EFHYF:Mar 79:391

Health Hazards
Health Aspects of Water Reuse in California, James Crook, EE4:Aug 78:601:13928

Health Regulations
Health Considerations in Construction, Ariel E. Morelli, Preprint No.80-517, Oct 80, 8pp.

Heat Balance
Modeling Hourly Water Temperature Dynamics, Russ T. Brown, HYCO:Aug 80:25

Heat Capacity
Measurement of Soil Thermal Resistivity, James K. Mitchell and Tsung C. Kao, GT10:Oct 78:1307:14080

Heat Distributing Units
Energy Loss Surveys Using Thermal IR Technology, Lewis E. Link, Jr., ASDC:80:259

Heated Water
Buoyant Jet Discharges into Finite Ambient Waters, Iyyanki V. Muralikrishna and Kandula V.N. Sarma, HY5:May 79:14586
Evaluation of Compliance Criteria for River Plumes, Pauly P. Pailly, HYCO:Aug 80:142
Horizontal Buoyant Jets in Quiescent Shallow Water, V. Balasubramanian and Subhash C. Jain, EE4:Aug 78:717:13943
Modeling of Reject Heated Water Use in Greenhouses, Edward A. McBean, Donald Haycock, Gary Ashley and Jack Gorrie, EY2:Oct 80:165:15732
Two-Dimensional Heated Jets in Shallow Water, Bruce McEnroe and Subhash C. Jain, EY1:Apr 80:33:15349

Heat Exchangers
Modeling Ice Regime of Lake Erie, Akio Wake and Ralph R. Rumer, Jr., HY7:July 79:827:14694
OTEC-1, Extracting Energy from the Ocean, H. D. Ramsden and N. A. Svensen, Preprint No.80-079, Apr 80, 21pp.

Heat Flow
Moisture and Air Flow in an Unsaturated Soil, V. Dakshanamurthy and D. G. Fredlund, SLS:June 80:514

Heating
Heat Conduction in Plates by Finite Strip Method, Satyananda Chakrabarti, EM2:Apr 80:233:15328
Solar Energy for Heating Homes: How Practical?, Eugene E. Dallaire, CE:Feb 80:38
The Zero-Energy House: The Bold Low-Cost Breakthrough that may Revolutionize Housing, Eugene E. Dallaire, CE:May 80:47

Heat Loss
Heat Loss from Sidearms of Cooling Lakes, Terry W. Sturm and John F. Kennedy, HY5:May 80:783: 15398
Heat Recirculation Induced by Thermal Diffusers, Joseph H.W. Lee, Gerhard H. Jirka and Donald R.F. Harleman, HY10:Oct 79:1219:14929

Heat Transfer
Cooling Impoundments: Classification and Analysis, Gerhard H. Jirka and Donald R.F. Harleman, EY2: Aug 79:291:14779
Heat Recirculation Induced by Thermal Diffusers, Joseph H.W. Lee, Gerhard H. Jirka and Donald R.F. Harleman, HY10:Oct 79:1219:14929
Thermal Structure of Cooling Ponds, Gerhard H. Jirka, HY5:May 80:701:15412

Heat Transfer Coefficient
Direct Explicit Formulation for Approach to Wet Bulb, John C. Sonnichsen, Jr. and Edward C. Strozyk, EY1:Jan 79:63:14289

Heat Treatment
Heat Treatment and Vacuum Filtration of Metal-Laden Municipal Sludge, Bert L. Michalczyk and Ronald F. Wukasch, EE80:July 80:25

Heaving
Building on Expansive Soils in South Africa: 1973-1980, Antony AB Williams and George W. Donaldson, SLS:June 80:834
Characterization of Expansive Soils Using Soil Suction Data, Donald R. Snethen, SLS:June 80:54
Design and Construction of Short Piles for Expansive Soils in Coro, Venezuela, Leopoldo Garcia-Iturbe and Jorge Martinez, SLS:June 80:850
Field Test Sections on Expansive Soils, Lawrence D. Johnson, SLS:June 80:262
Keynote Address, Spencer J. Buchanan, SLS:June 80: 661
A Model for Slab Foundations on Expansive Soils, Stefanos S. Tsotsos, SLS:June 80:551
The Prediction of Total Heave, D. G. Fredlund, J. U. Hasan and H. L. Filson, SLS:June 80:1
Predrilling: Minimizes the Undesirable Effects of Pile Installation?, Richard P. Ray, Edward J. Ulrich, Jr. and James Malinak, GTDF:80:459
Seasonal Heave of Australian Clay Soils, John E. Holland and Charles E. Lawrance, SLS:June 80:302
Summary of Panel Discussion on Testing and Prediction Methods, Leonard Krazynski, V. Escario, D. G. Fredlund, R. L. Lytton, John Holland, R. G. McKeen, Peter Mitchell and A. A.B. Williams, SLS:June 80:683

Heavy Metals
Comparative Metals Precipitation Techniques, Lynn P. Croy and William R. Knocke, EE80:July 80:534
Containment of Heavy Metals with Natural Materials, Ronald E. Benson, Jr., EE80:July 80:69
Design of a Test to Study Salinity Response in a Major Estuarine System to Major Storm Inflow, David Fenwick Bastian, HYUS:June 80:134
The Effect of Complex Formation on the Removal of Heavy Metals from Water and Wastewater, C. P. Huang and A. R. Bowers, EE80:July 80:240
Environmental Considerations for Fly Ash Disposal, Thomas L. Theis and Jerry J. Marley, EY1:Jan 79: 47:14286
Environmental Engineering Research Needs, CE:Oct 79:63
Installation Restoration—An Army Initiative, Frank A. Jones, Jr., Donald K. Emig and John P. Glennon, EE80:July 80:571
Modeling Effects of Environmental Stresses due to Industrial Wastes on Gas Production by Landfill Sediments, S. Roychowdhury, L. Y. Young, D. Cox, J. Powers, J. Sharkey and M. Levandowsky, EE80:July 80:75
Municipal/Industrial Waste Landfill Simulators, James J. Walsh, Riley N. Kinman and Nancy S. Neely, EE80:July 80:62
Pretreatment Case Studies of Metal Finishers, John E. Eason, EE80:July 80:229
Pretreatment of Sewage for Heavy Metal Removals, Ju-Chang Huang and Patrick M. McCole, EE80: July 80:236
Trenching of Digested Sludge, L. J. Sikora, N. H. Frankos, C. M. Murray and J. M. Walker, EE2:Apr 80:351:15310
Will EPA Relax Its Mandatory Secondary Treatment Requirement?, Eugene E. Dallaire, CE:June 79:88

Hepatitis
Wastewater Risk Assessment, Neil J. Hutzler and William C. Boyle, EE5:Oct 80:919:15748

Herbicides
Water Quality and Wildland Resource Management, Alan F. Galbraith, IRKB:July 80:298

High Strength Bolts
Analysis of Bolted Connections Subject to Prying, Henning Agerskov, ST11:Nov 77:2145:13352
Beam-to-Column End Plate Connections, Thomas S. Tarpy, Jr., Preprint No.80-179, Apr 80, 24pp.
Limit Design of Extended End-Plate Connections, Allan P. Mann and Linden J. Morris, ST3:Mar 79: 511:14460

High Strength Concretes
High-Strength Concrete in Ultimate Strength Design, Pao-Tsan Wang, Surendra P. Shah and Antoine E. Naaman, ST11:Nov 78:1761:14139
Problems in Determining Stress-Strain Characteristics of High Strength Concrete, Surendra P. Shah, Preprint No.80-005, Apr 80, 28pp.

Highway Accident Potential
Hazardous Location Program, Edwin M. Smith, HW80:Mar 80:109
Highway Safety: Pyrrhic Victory, Sally Free, HW80: Mar 80:87
Meaningful Highway Accident Data—A Commitment is Needed, Roy W. Anderson, HW80: Mar 80:12
Michigan's System for Improved Highway Safety, Donald E. Orne, HW80:Mar 80:19
Railroad Highway Grade Crossing Program: Railroad View, Frederick J. Kull, HW80:Mar 80:130
Tort Liability as a Safety Incentive, James J. Stapleton, HW80:Mar 80:256

Highway Beautification
Esthetic Impact of Boston Central Artery Project on Urban Environment, Francis R. Sholock, UP1:Jan 79:35:14318
Public Works Directors—Why Do Some Stand Out?, Philip V. Di Vietro, CE:Aug 80:68

Highway Bridges
Earthquake Engineering for Transportation Lifelines, James H. Gates, C080:80:166
Economic of Hazard Mitigation for Transportation Structures, John J. Kozak, C080:80:85
Experimental Dynamics of Highway Bridges, Bruce M. Douglas, Charles D. Drown and Monty L. Gordon, EM81:Jan 81:698
Increase Seismic Resistance Of Highway Bridges Using Improved Bearing Design concepts, Roy A. Imbsen and Richard V. Nutt, EM81:Jan 81:416
New Method for Fatigue Design of Bridges, Charles G. Schilling and Karl H. Klippstein, ST3:Mar 78: 425:13618
Vibration Of A Steel Truss Highway Bridge, Celal N. Kostem, Robert T. Reese and T. Robert Kealey, EM81:Jan 81:61

Highway Construction
The American Highway System, Its Past and Its Future, Fred J. Benson, MGC:July 80:389
Construction QA/QC Systems: Comparative Analysis, Jack H. Willenbrock and Scott Shepard, CO3:Sept 80:371:15669

Productivity and Technology in Construction, Janet A. Koch and Fred Moavenzadeh, CO4:Dec 79:351: 15077
Setting Highway Construction Contract Duration, Donn E. Hancher and James E. Rowings, Preprint No.80-142, Apr 80, 22pp.
Tort Liability and the Highway Engineer, Jack B. Humphreys, HW80:Mar 80:249
The Vehicle Operator in the Safety Equation, Elmer Brown, HW80:Mar 80:29
Washington I-205 — A Community Project, Dick Carroll, Preprint No.80-121, Apr 80, 16pp.
Work Zone Safety, Johnny R. Dahl, HW80:Mar 80: 242

Highway Costs
Direct Costs of Highway Travel, Kiran U. Bhatt, UT79A:July 79:19

Highway Design
Design of Geotextile-Reinforced, Unpaved Roads, Jean-Pierre Giroud and Laure Noiray, Preprint No.80-177, Apr 80, 28pp.
Digital Terrain Models in Civil Engineering Design, Robert N. Eli and Ronald W. Eck, CP80:June 80: 122
The Evolution of Mitigation in a Highway System, Rodney Edwin Emmer, CZ80:Nov 80:1119
Expansive Roadbed Treatment for Southern Africa, D. J. Weston, SLS:June 80:339
Geometric Guidelines for RRR Projects, C. William Gray, Preprint No.80-542, Oct 80, 8pp.
Highway Design Criteria: Problems and Projections, Graeme D. Weaver, C. V. Wootan and Donald L. Woods, HW80:Mar 80:38
Highway Safety Research and Implementation, Edwin M. Wood, HW80:Mar 80:207
Implementing Highway Safety Improvements, Thomas A. Hall, Chmn., HW80:Mar 80
Limited Sight Distance Effect on Speed, Abishai Polus, Shmuel Borovsky and Moshe Livneh, TE5: Sept 79:549:14851
Pavement Recycling Catching On, Eugene E. Dallaire, CE:Nov 80:45
Safety Challenge for the Future, Howard L. Anderson, HW80:Mar 80:264
Surfaces — Terrain Modeling and Contour Plotting, Philip L. Owen and William F. Blank, CP80:June 80:48
Terminal Usage of Batch Programs in Highway Design, Conrad G. Keyes, Jr., John Minor and Kenneth R. White, CP80:June 80:350
Tort Lisbility and the Highway Engineer, Jack B. Humphreys, HW80:Mar 80:249
A User's Experience with New Zealand ICES Software, David Loukes, CP80:June 80:678
Vail Pass Highway—Respecter of Mountain Ecology, CE:June 80:70

Highway Economic Factors
The American Highway System, Its Past and Its Future, Fred J. Benson, MGC:July 80:389
Diesel Fuel Forecasts in Virginia, Antoine G. Hobeika and Frank Tamberrino, MGC:July 80:172

Highway Effects
Public Works Directors—Why Do Some Stand Out?, Philip V. Di Vietro, CE:Aug 80:68

Highway Engineering
The American Highway System, Its Past and Its Future, Fred J. Benson, MGC:July 80:389
Interactive Graphics: Stage II Special Applications, James O. Howell and David F. Sinton, SU80:June 80:54
Liability in Traffic and Highway Operations, Sheldon I. Pivnik, TE4:July 79:373:14701
Tort Liability and the Highway Engineer, Jack B. Humphreys, HW80:Mar 80:249

Highway Environmental Impact
Highway Safety and Roadside Hazards, James L. Foley, Jr., TE6:Nov 80:617:15799
Implementing Highway Safety Improvements, Thomas A. Hall, Chmn., HW80:Mar 80

Highway Improvements
Meeting Off System Safety Needs, Andrew J. Lampe, HW80:Mar 80:180
State-of-the-Art of Highway Safety Appurtenances, F. J. Tamanini, HW80:Mar 80:216

Highway Maintenance
Deferred Maintenance, Caleb W. Frobig, Preprint No.80-120, Apr 80, 7pp.
Deferred Maintenance — Opportune or Optimum Strategy, Lloyd G. Byrd, Preprint No.80-123, Apr 80, 20pp.
Deferred Maintenance — What, Why, How and So What?, Eugene B. Thomas, Preprint No.80-087, Apr 80, 14pp.
The Effects of Inflation on Maintenance Work, Donald R. Anderson, Preprint No.80-138, Apr 80, 11pp.
Existing Revenue Sources, Charles A. Krouse, UT79A:July 79:45
Geometric Guidelines for RRR Projects, C. William Gray, Preprint No.80-542, Oct 80, 8pp.
The Impact of Various Service Level Policies on Pavements in Portland, Louis W. Bruneau, Preprint No.80-088, Apr 80, 10pp.
Safety Studies Related to RRR Projects, Charles P. Brinkman, Preprint No.80-607, Oct 80, 10pp.
Tort Liability and the Highway Engineer, Jack B. Humphreys, HW80:Mar 80:249
User Cost Analysis in Urban Freeway Rehabilitation, Timothy R. Neuman, TE6:Nov 79:623:14990
What's Happened to the Quality of Asphalt?, Ann E. Seltz-Petrash, CE:Dec 80:43
Work Zone Safety, Johnny R. Dahl, HW80:Mar 80: 242

Highway Management
Combatting Inflation from the Federal Highway Administration Viewpoint, Peter R. Picard, Preprint No.80-153, Apr 80, 16pp.
The Evolution of Mitigation in a Highway System, Rodney Edwin Emmer, CZ80:Nov 80:1119
How Texas got a New Highway Plan and More Construction Dollars, Eugene W. Robbins, CE:Nov 80:59

Highway Planning
Energy Considerations in Highway Planning and Finance, Bruce Cannon, Preprint No.80-090, Apr 80, 22pp.
Environmental Considerations in Highway Planning, John J. Meersman and Leonard Ortolano, TE4:July 80:15515
The Evolution of Mitigation in a Highway System, Rodney Edwin Emmer, CZ80:Nov 80:1119
How Texas got a New Highway Plan and More Construction Dollars, Eugene W. Robbins, CE:Nov 80:59
Multi-Modal Transportation in Hawaii, E. Alvey Wright, MGC:July 80:1
Planning Implications of Outer Ring Road, Robin T. Underwood, UP1:Nov 80:19:15828
Proposed Manual on Selection of Map Uses, Scales, and Accuracies for Engineering and Associated Purposes: Map Availability—Chapter VI, Robert L. Brown, SU1:Nov 80:149:15856
Tort Liability and the Highway Engineer, Jack B. Humphreys, HW80:Mar 80:249

Highway Relocation
The Evolution of Mitigation in a Highway System, Rodney Edwin Emmer, CZ80:Nov 80:1119

Highways
Bridge Analysis and Rating System, Hasmukh M. Lathia, TC1:Apr 79:211:14538
Citizens and Project Design: Management Team, John F. Metzger and David C. Colony, UP1:Nov 80:59:15855

Cost of Environmental Impact Statements, Enno Koehn, Bradley Fallon, Fred Seling and Randall Young, CO4:Dec 79:331:15092
Cut and Cover Construction on Unstable Slopes, Elias Sotiropoulos and Spyros Cavounidis, CO4: Dec 80:585:15890
Data Base Development at Maryland DOT, Dennis R. Atkins, CP80:June 80:363
Deep Vertical Fabric Moisture Seals, Malcolm L. Steinberg, SLS:June 80:383
Economic Effect of Heavy Trucks on Highways, C. Michael Walton and Dock Burke, MGC:July 80: 105
Heavy Trucks—How Much Damage to Pavements?, CE:Nov 79:64
Highway Construction Impact on Water-Supply Lakes, Kok-Heng Tan and Dhandapani Thirumurthi, EE5:Oct 78:997:14052
Highway Design Criteria: Problems and Projections, Graeme D. Weaver, C. V. Wootan and Donald L. Woods, HW80:Mar 80:38
Highway Safety Challenges of the 80's, Bennie Maffet, HW80:Mar 80:54
How Texas got a New Highway Plan and More Construction Dollars, Eugene W. Robbins, CE:Nov 80:59
How Texas is Tackling Highway Finance and Management, CE:Nov 79:65
Integration of Air Quality and Transportation Planning, Norman L. Cooper and John O. Hidinger, CAAA:Nov 79:56
Introduction, John G. Kunna, HW80:Mar 80:1
Meaningful Highway Accident Data—A Commitment is Needed, Roy W. Anderson, HW80: Mar 80:12
Success Despite Our Worship, Carlton Fisher, HW80:Mar 80:96
Top Highway Problems : Finance and Maintenance, Kneeland A. Godfrey, Jr., CE:Nov 79:59
Transportation Needs - Northern Mariana Islands, Robert B. Deadwyler, Sr., MGC:July 80:268
Weighting of Factors in Environmental Evluation, Naojiro Aoshima and Shogo Kawakami, UP2:Nov 79:119:14952

Highway Safety

Effectiveness Evaluations—An Engineer's View, Harry E. Strate, HW80:Mar 80:71
Hazardous Location Program, Edwin M. Smith, HW80:Mar 80:109
Highway Safety and Roadside Hazards, James L. Foley, Jr., TE6:Nov 80:617:15799
Highway Safety Challenges of the 80's, Bennie Maffet, HW80:Mar 80:54
Highway Safety: Pyrrhic Victory, Sally Free, HW80: Mar 80:87
Highway Safety Research and Implementation, Edwin M. Wood, HW80:Mar 80:207
Implementing Highway Safety Improvements, Thomas A. Hall, Chmn., HW80:Mar 80
Introduction, John G. Kunna, HW80:Mar 80:1
Markings and Delination in Safety Construction, Gerald P. Balcar, HW80:Mar 80:135
Meeting Off System Safety Needs, Andrew J. Lampe, HW80:Mar 80:180
Michigan's System for Improved Highway Safety, Donald E. Orne, HW80:Mar 80:19
Mount St. Helens Eruption—Impact and Civil Engineering Response, CE:Aug 80:72
National Highway Safety Program Effectiveness, Thomas A. Hall, TE4:July 78:449:13878
The PMD Program—One State's View, Roger L. Hatton, HW80:Mar 80:149
Roadside Obstacle Elimination Programs, Paul H. Wright, HW80:Mar 80:116
Safety Challenge for the Future, Howard L. Anderson, HW80:Mar 80:264
State-of-the-Art of Highway Safety Appurtenances, F. J. Tamanini, HW80:Mar 80:216
Success Despite Our Worship, Carlton Fisher, HW80:Mar 80:96
Summary of Commissioner G. B. Craig's Remarks, G. B. Craig, HW80:Mar 80:215
Transportation Engineering Research Needs, CE:Nov 79:89
The 55-mph Speed Limit: A Review, John G. Kunna, TE3:May 80:299:15404

Highway Safety Programs

Effectiveness Evaluations—An Engineer's View, Harry E. Strate, HW80:Mar 80:71
Examples of Good Local Programs—Oakland Co., Mich., Bruce B. Madsen, HW80:Mar 80:190
Highway Safety Challenges of the 80's, Bennie Maffet, HW80:Mar 80:54
Highway Safety Program Overview, Thomas A. Hall, HW80:Mar 80:3
Highway Safety: Pyrrhic Victory, Sally Free, HW80: Mar 80:87
Implementing Highway Safety Improvements, Thomas A. Hall, Chmn., HW80:Mar 80
Meeting Off System Safety Needs, Andrew J. Lampe, HW80:Mar 80:180
State-of-the-Art of Highway Safety Appurtenances, F. J. Tamanini, HW80:Mar 80:216
Success Despite Our Worship, Carlton Fisher, HW80:Mar 80:96

Highway Safety Standards

Introduction, John G. Kunna, HW80:Mar 80:1
Markings and Delination in Safety Construction, Gerald P. Balcar, HW80:Mar 80:135
The PMD Program—One State's View, Roger L. Hatton, HW80:Mar 80:149
Roadside Obstacle Elimination Programs, Paul H. Wright, HW80:Mar 80:116
Safety Challenge for the Future, Howard L. Anderson, HW80:Mar 80:264
Tort Liability as a Safety Incentive, James J. Stapleton, HW80:Mar 80:256

Highway Structures

Economic of Hazard Mitigation for Transportation Structures, John J. Kozak, C080:80:85

Highway Surfaces

Pavement Recycling Catching On, Eugene E. Dallaire, CE:Nov 80:45

Highway Taxation

Virginia Vehicle-Related Revenue Forecasts, Antoine G. Hobeika, Frank Tamberrino, Apisak Boonpuan and Harvey Goldstein, TE1:Jan 80:43:15143

Highway Transportation

Economic of Hazard Mitigation for Transportation Structures, John J. Kozak, C080:80:85
Overview of DOE Programs for Energy Efficiency in Transportation, Richard T. Alpaugh and James S. Moore, MGC:July 80:148
The Vehicle Operator in the Safety Equation, Elmer Brown, HW80:Mar 80:29

Highway Usage

Direct Costs of Highway Travel, Kiran U. Bhatt, UT79A:July 79:19

Hinges

Mechanism Generation for Limit Analysis of Frames, Vernon B. Watwood, ST1:Jan 79:1:14315
Torsion in Spandrel Beams, M. Abdul Mansur and B. Vijaya Rangan, ST7:July 78:1061:13861

Histograms

Variability of an Expansive Clay Deposit, D. G. Fredlund, J. Krahn and J. U. Hasan, SLS:June 80: 322

Historic Sites

Inventories, Surveys and Historic Preservation, Paul John Hartman, Preprint No.80674, Oct 80, 6pp.
Preservation of Historic Sites During Construction, Ward F. Weakly, CO3:Sept 80:351:15690
San Juan National Historic Site Shore Protection, Charles F. Stevens, Preprint No.80-678, Oct 80, 11pp.

History
America's Covered Bridges, Donald O. Barth, CE: Feb 80:51
Archeological Resources, Planning, and Construction, Arc Tsirk, CO1:Mar 79:79:14439
Bridges as an Expression of Regional Aesthetics, David P. Billington, Preprint No.80-032, Apr 80, 21pp.
Dam Failure in Benefit/Cost Analysis, Gregory Baecher, Marie-Elisabeth Pate and Richard de Neufville, TN: GT1:Jan 80:101:15100
Doppler Satellite Surveying System, Larry D. Hothem, William E. Strange and Madeline White, SU1:Nov 78:79:14132
Economics and Water Resources Planning in America, L. Douglas James and Jerry R. Rogers, WR1:Mar 79:47:14427
Engineering and Constructing Marine Superprojects, Marshall P. Cloyd, CO1:Mar 79:65:14435
Environmental Information From Sediments, David P. Adam, EFHYF:Mar 79:206
Esthetic Impact of Boston Central Artery Project on Urban Environment, Francis R. Sholock, UP1:Jan 79:35:14318
Federal Roles and Responsibilities In a Modernized Land Data System, Bernard W. Hostrop, SU80: June 80:27
First Four Decades of the Hydraulics Division, Hunter Rouse, HY3:Mar 78:327:13633
Golden Gate Tidal Measurements: 1854-1978, Raymond A. Smith, TN: WW3:Aug 80:407:15592
Graduating Engineers: 1930/1980, Philip V. Di Vietro, CE:Oct 80:126
Highway History: Modern Turnpike Era Recounted, Charles M. Noble, CE:Feb 79:73
History and Esthetics in Suspension Bridges, David P. Billington, ST8:Aug 77:1655:13143
Hydrology and Water Resources Planning: 1776-1976, Ray K. Linsley, WR1:Mar 79:113:14412
Integration of Air Quality and Transportation Planning, Norman L. Cooper and John O. Hidinger, CAAA:Nov 79:56
IRT — New York City's First Subway, Larry D. Lankton, CE:Nov 79:71
Mapping America is Never-Ending Task for USGS, Morris M. Thompson, CE:Feb 79:77
Meeting Off System Safety Needs, Andrew J. Lampe, HW80:Mar 80:180
Planning for Water Quality: 1776 to 1976, Donald L. Hey and W. Henry Waggy, WR1:Mar 79:121: 14440
Potamology in 1932: Lower Mississippi River, Leo M. Odom, WW4:Nov 79:405:14993
Preservation of Historic Sites During Construction, Ward F. Weakly, CO3:Sept 80:351:15690
Reducing Failures During Earthquakes, Henry J. Degenkolb, CE:Aug 80:56
Some Paradoxes in the History of Hydraulics, Hunter Rouse, HY6:June 80:1077:15475
Two Centuries of Water Planning Methodology, Ray K. Linsley, WR1:Mar 79:39:14405
The USGS Centennial: From Mining to Mapping the Moon, Mary Rabbitt and Virginia Fairweather, CE: Feb 79:68
Water for the Valley of the Sun, William W. Reedy, WR2:July 80:477:15544
Water Planning and the Environment: 1776-1976, Leonard Ortolano, WR1:Mar 79:65:14413
Water Planning-Overview, Eugene W. Weber, WR1: Mar 79:3:14431
Water Resources Planning and Public Health: 1776-1976, Leonard B. Dworsky and Bernard B. Berger, WR1:Mar 79:133:14445
Water Resources Planning — Historical Development, Theodore M. Schad, WR1:Mar 79:9: 14410
Water Resource Systems Planning in U.S.A.:1776-1976, Stephen J. Burges, WR1:Mar 79:91:14417
Western Economic Development and Water Planning: Bureau of Reclamation, John E. Keith, Keith Wilde, Jay C. Andersen and Allen LeBaron, WR1:Mar 79:161:14416
Wilhelm Ritter: Teacher of Maillart and Ammann, David P. Billington, ST5:May 80:1103:15416
World's First Iron Bridge, Marc H. Sawyer, CE:Dec 79:46

Holes
Critical Loads for Webs with Holes, Richard G. Redwood and Minoru Uenoya, ST10:Oct 79:2053: 14925
Harmonic Shape and Optimum Design, Rowland Richards, Jr. and Gordon S. Bjorkman, Jr., EM6: Dec 80:1125:15889
Prestressed Concrete Beams with Transverse Circular Holes, Sk. Abdus Salam and Jack Harrop, ST3:Mar 79:635:14465

Holography
Surveying and Mapping Research 1978-1988: An Overview, Morris M. Thompson, SU1:Nov 79:43: 14957

Homogeneity
Foundation Stability on Nonhomogeneous Clays, James D. Murff and Terrell W. Miller, GT10:Oct 77:1083:13302
Pollutant Concentrations form Homogenous Land Uses, Irwin Polls and Richard Lanyon, EE1:Feb 80: 69:15169

Hospitals
Hospital Solid Waste Management: A Case Study, Damodar S. Airan, John H. Bell, Lalita D. Airan and Daniel T. McMurray, EE4:Aug 80:741:15613
Mechanical-Structural Interface in Building Design, Tseng-Yao Sun, ST3:Mar 79:539:14447

Hot Film Anemometers
Turbulence Prediction in Open Channel Flow, Ruh-Ming Li, James D. Schall and Daryl B. Simons, HY4:Apr 80:575:15347

Hot Weather Construction
Improving Productivity in Hot Weather at Remote Areas, Arthur E. Seleen, EI3:July 80:249:15565

Houses
Building on Expansive Soils in South Africa: 1973-1980, Antony AB Williams and George W. Donaldson, SLS:June 80:834
Earthquake Behavior Of One-Story Masonry Houses, Ray W. Clough, P. Gulkan and R. L. Mayes, EM81:Jan 81:517
Solar Energy for Heating Homes: How Practical?, Eugene E. Dallaire, CE:Feb 80:38

Housing
The Behaviour and Design of Housing Slabs on Expansive Clays, John E. Holland, William G. Pitt, Charles E. Lawrance and Dominic J. Cimino, SLS: June 80:448
Construction and Design of Light Structures in Peru, A. Carrillo-Gil, SLS:June 80:469
Environmental Planning for Transportation Systems, Richard B. Howell and Celia M. Howell, MGC:July 80:208
Forecasting Housing Requirements in a College Town, Yupo Chan and Wayne P. Rasmussen, UP1: Jan 79:9:14299
Highway Embankment Doubles as Dam, Shiwendra P. Singh, CE:Apr 79:80
Low Income Housing Planning: State-of-the-Art, Leonard F. Heumann, UP2:Nov 79:137:14962
Reinforced Gypsum for Egyptian Housing, Mahmoud A. Reda Youssef and Albert G.H. Dietz, Preprint No.80-169, Apr 80, 20pp.
Residential Site Planning and Perceived Densities, Peter G. Flachsbart, UP2:Nov 79:103:14948
Slope Effect on House Shrink-Swell Movements, John H. Schmertmann and David K. Crapps, GT12:Dec 80:1327:15943
Storm Drainage and the Building Community, David E. Johnson, Preprint No.80-512, Oct 80, 9pp.
The Zero-Energy House: The Bold Low-Cost Breakthrough that may Revolutionize Housing, Eugene E. Dallaire, CE:May 80:47

H-Piles
Capacities of Steel H Piles Supported in Shale, Larry G. O'Dell and Alan N. Stilley, GTDF:80:288
Pile Foundations for One Market Plaza, Edward E. Rinne and Michael W. Stobbe, GTDF:80:343
Predicition and Verification of Friction Pile Behavior, Michael W. Montgomery, GTDF:80:274
Rational Approach to Pile Foundations, Michael M. Blendy, GTDF:80:38

Hudson River
Modeling of PCB Fate in the Hudson River System, Robert V. Thomann, Paul C. Pacquin and James J. Fitzpatrick, EE80:July 80:130
Regional Planning for the Urban Waterfront, John R. Weingart, CZ80:Nov 80:286

Human Behavior
Flood Emergency Evacuation Plans, Ronald E. Hilton, CZ80:Nov 80:1188
Measuring Preferences for Natural Landscapes, John A. Dearinger, UP1:Jan 79:63:14308
Planning Initiatives for Seismic Hazard Mitigation, Dennis S. Mileti, C080:80:44

Human Ecology
Why Does the Public Resist High-Voltage Power Lines?, CE:Jan 80:88

Human Factors
General Approach to Active Structural Control, Mohamed Abdel-Rohman and Horst H. Leipholz, EM6:Dec 79:1007:15047
Human Aspects of Construction Safety, Jimmie Hinze, Preprint No.80-134, Apr 80, 22pp.
Human Influence on the Sediment Budget of a Barrier Island, Craig H. Everts, CZ80:Nov 80:863
Meaningful Highway Accident Data—A Commitment is Needed, Roy W. Anderson, HW80: Mar 80:12
Models of Human Error in Structural Reliability, Niels C. Lind, Preprint No.80-082, Apr 80, 20pp.
Multidimensional Scaling in Recreational Planning, John E. Praskey, R. Keith Weaver, Edward A. McBean and Keith William Hipel, WR1:Mar 80:61: 15275
Recruiting in Underdeveloped Countries, Altaf Hussain, EI4:Oct 79:183:14878
The Vehicle Operator in the Safety Equation, Elmer Brown, HW80:Mar 80:29

Humid Areas
Hydraulic Geometry Coefficients of Floodplains, Nani G. Bhowmik, HYCO:Aug 80:86

Humus
Mathematical Modeling of Humic Substances Removal with Activated Carbon Beds, Michael C. Lee, John C. Crittenden, Vernon L. Snoeyink and William E. Thacker, EE80:July 80:387

Humus Soils
Transport of Viruses through Organic Soils and Sediments, Phillip R. Scheuerman, Gabriel Bitton, Allen R. Overman and George E. Gifford, EE4: Aug 79:629:14756

Hurricanes
Analysis of Combined Rainfall-Hurricane Surge Frequencies, M. Aziz Tayfun and Jerry L. Machemehl, HYUS:June 80:15
Applications of Advanced Airborne Reconnaissance Instrumentation Systems (Abstract), Robert C. Sheets, MGC:July 80:364
Barrier Beach Protection in Massachusetts, Stanley M. Humphries and Jeffrey R. Benoit, CZ80:Nov 80:1809
Dependency of Astronomic Tide and Hurricane Surge, Richard A. Schmalz, Jr., HYUS:June 80:7
Finite Element Model for Hurricane Surge and Coastal Flooding, Jing Song Wei, Hsuan S. Chen and Jerry L. Machemehl, HYUS:June 80:205
Flood Emergency Evacuation Plans, Ronald E. Hilton, HYUS:June 80:56
Flood Emergency Evacuation Plans, Ronald E. Hilton, CZ80:Nov 80:1188
Floodplain Management: New Federal Groundrules, Timothy E. Maywalt, CZ80:Nov 80:1200
Friction Factors in Flooding Due to Hurricanes, Bent A. Christensen and Raymond Walton, HYUS:June 80:265
Hazard Mitigation on Barrier Island and Beaches, Dunesh C. Sharma, CZ80:Nov 80:1450
Hurricane Impact at Dauphin Island, Alabama, Shea Penland, Dah Nummedal and William E. Schramm, CZ80:Nov 80:1425
Hurricane Wind Speeds in the United States, Martin E. Batts, Larry R. Russell and Emil Simiu, ST10: Oct 80:2001:15744
Influence of Storm Type and Urbanization on Tidal Flooding, Armando Balloffet and Michael L. Scheffler, CZ80:Nov 80:2256
Inland Routing of Hurricane Surges in Wetlands, Armando I. Perez, Robert Laura, John D. Wang and Bernard LeMehaute, HYUS:June 80:347
A Note on Joint Probability of Surge and Rainfall, Fei Fan Yeh, HYUS:June 80:1
A Predictive Model of Hurricane Wind-Waves, Rodney J. Sobey and Ian R. Young, HYCO:Aug 80:333
Sampling Errors in Estimation of Extreme Hurricane Winds, Martin E. Batts, Martin R. Cordes and Emil Simiu, TN: ST10:Oct 80:2111:15726
Satellite Microwave Remote Sensing of Hurricanes, W. Linwood Jones, Peter G. Black and John C. Wilkerson, Preprint No.80-642, Oct 80, 14pp.
Second Moment—Inference Analysis Approach for Probability Evaluation of Storm Surges, Stergios A. Dendrou, Robert S. Taylor and Basile A. Dendrou, HYUS:June 80:23
Stormwater Management In Coastal North Carolina, Neil S. Grigg, Alfred M. Duda and John Morris, HYUS:June 80:33
Wind Damage In Hurricane Frederic, Timothy A. Reinhold and Kishor C. Mehta, EM81:Jan 81:532

Hybrid Simulation
Hybrid Modeling Of Seismic Soil-Structure Interaction, Sunil Gupta and Joseph Penzien, EM81:Jan 81:201

Hydraulic Conductivity
Air-Water Flow in Coarse Granular Media, Alim A. Hannoura and John A. McCorquodale, HY7:July 78:1001:13888
Hydrogeology of a Shallow Till Under Irrigation, M. James Hendry, IRKA:July 80:21
Rain Infiltration into Layered Soils: Prediction, Ahmed Y. Hachum and Jose F. Alfaro, IR4:Dec 80:311:15905
A Simple Method to Characterize Watershed Soils, James W. Naney and Lajpat R. Ahuja, IRKB:July 80:731

Hydraulic Design
Use of "CORPS" for Hydraulic Design, Bobby J. Brown and John J. Ingram, HYCO:Aug 80:240

Hydraulic Fracturing
New Aspects of Soil Fracturing in Clay, Karl Rainer Massarsch, GT8:Aug 78:1109:13961
Predrilling: Minimizes the Undesirable Effects of Pile Installation?, Richard P. Ray, Edward J. Ulrich, Jr. and James Malinak, GTDF:80:459
Water Resources Implications of Energy Development, Jeffrey S. Mahan and Jay D. White, EY1:Apr 80:45:15366

Hydraulic Gradients
Compaction Effects on Hydraulic Failure Gradients, Lyman S. Willardson and Manuel J. Batista, IRKA: July 80:140
Hydrogeology of a Shallow Till Under Irrigation, M. James Hendry, IRKA:July 80:21

Hydraulic Jets
Pressure Fluctuations beneath Submerged Jump, Rangaswami Narayanan, HY9:Sept 78:1331:14039

Hydraulic Jump
Buoyant Surface Jet in Tidal Longshore Current, Eric J. Wolanski and Michael L. Banner, HY11:Nov 78: 1505:14186
Force Fluctuations on Sill of Hydraulic Jump, Rangaswami Narayanan and L. S. Schizas, HY4: Apr 80:589:15368
Force on Sill of Forced Jump, Rangaswami Narayanan and L. S. Schizas, HY7:July 80:1159: 15552
Oxygen Transfer at Hydraulic Structures, Sean T. Avery and Pavel Novak, HY11:Nov 78:1521:14190
Pressure Fluctuations beneath Submerged Jump, Rangaswami Narayanan, HY9:Sept 78:1331:14039
Radial Hydraulic Jump, Abdelkawi M. Khalifa and John A. McCorquodale, HY9:Sept 79:1065:14825
Submerged Radial Hydraulic Jump, John A. McCorquodale and Abdelkawi M. Khalifa, HY3: Mar 80:355:15250
Undular Hydraulic Jump, V. Mandrup Andersen, TN: HY8:Aug 78:1185:13916

Hydraulic Models
Application of a Consistent Vortex Scaling Law, Eugene Chang, HYCO:Aug 80:272
Calibrating the Chesapeake Bay Circulation Model?, Raymond Walton, M. A. Granat and Robert P. Shubinski, HYCO:Aug 80:387
Computer Controlled Physical Model of the Sacramento River, Jaime Amorocho, William J. Hartman and Johannes J. DeVries, HYCO:Aug 80: 451
Diffraction of Waves by Shore-Connected Breakwater, Volker W. Harms, HY12:Dec 79:1501: 15075
Disaggregation of Streamflow Volumes, Kiyoshi Hoshi and Stephen J. Burges, HY1:Jan 79:27:14331
Divergent Flow in the Vicinity of a Breached Dam, Nikolaos D. Katopodes, HYCO:Aug 80:310
Drag of Yawed Pile Groups at Low Reynolds Numbers, David J. Ball and Clifford D. Hall, WW2:May 80:229:15425
Effect of Dock Resistance on Tanker Mooring Forces, Daryl B. Simons, Yung Hai Chen and Lawrence J. Swenson, HYCO:Aug 80:419
Estimating Design Flows for Urban Drainage, Samuel O. Russell, Bruce F.I. Kenning and Greg J. Sunnell, HY1:Jan 79:43:14317
Estuarine Front Formation and Propagation, John P. Grubert, HY6:June 80:961:15485
European Dredging—A State of the Art, John F. Hoffman, CZ80:Nov 80:1621
Flood Frequency Modeling and Outliers, Krishan P. Singh, HYCO:Aug 80:74
Hydraulic Analysis of Model Treatment Units, Frederick L. Hart and Santosh K. Gupta, EE4:Aug 78:785:13955
Hydraulic Modeling of Mixing in Stratified Lakes, Peter M. Moretti and Dennis K. McLaughlin, HY4: Apr 77:367:12868
Hydrological Impacts of Silvicultural Activities, Charles A. Troendle, IR1:Mar 79:57:14437
Impact of Vertical Scale Distortion on Turbulent Mixing in Physical Models, Benjamin R. Roberts and Robert L. Street, HYCO:Aug 80:261
Laboratory Verification of a Dam-Break Flood Model, Cheng-lung Chen, HY4:Apr 80:535:15324
Math Model for Harbor Waves/Ship Motions/ Moorings, Herman Bomze, PO80:May 80:624
Modeling Hourly Water Temperature Dynamics, Russ T. Brown, HYCO:Aug 80:25
Modeling in Design of Pumping Pits, James Paul Tullis, HY9:Sept 79:1053:14812
Modeling Of River Floodplains As Networks, Kenneth R. Avery, CP80:June 80:286
A Model Structure for Stream Systems, John B. Stall, HYCO:Aug 80:98
Physical Hydraulic Model Study of an Ice-Covered River, Robert P. Johnson and Thomas V. Kotras, HYCO:Aug 80:431
San Francisco Ocean Outfall Port Valve Development, Loring E. Hanson, Henry H.C. Lin, Allen L. Davis, John S. Readshaw and Robert T. Hudspeth, HYCO:Aug 80:51
Sediment Modeling for the Sacramento River Diversion to the Peripheral Canal, Johannes J. DeVries, William J. Hartman and Jaime Amorocho, HYCO:Aug 80:463
Stand-Off Force on Ships Moored in Strong Current, Jitendra Khanna and Torben Sorensen, PO80:May 80:731
Synthetic Storm Induced Water Level Statistics, Michael J. McCarthy and Edward J. Schmeltz, HYUS:June 80:83
Thermal Predictions using Integral Energy Model, Dennis E. Ford and Heinz G. Stefan, HY1:Jan 80: 39:15119

Hydraulic Pressure
Biofilm Growth and Hydraulic Performance, Basil F. Picologlou, Nicholas Zelver and William G. Characklis, HY5:May 80:733:15421
Minimum Stream Power: Theory, Charles C.S. Song and Chih Ted Yang, HY9:Sept 80:1477:15691

Hydraulic Properties
Hydraulic Features from River Flood Photography, A. B. Long, ASDC:80:76

Hydraulics
Determinate Hydraulic Geometry of River Channels, Richard D. Hey, HY6:June 78:869:13830
Determining Instream-Flow Needs on Public Lands, Mike Whittington and Bruce Van Haveren, IRKA: July 80:36
First Four Decades of the Hydraulics Division, Hunter Rouse, HY3:Mar 78:327:13633
Flood Analysis by Smemax Tranformation - A Review, Kuppuswamy Venugopal, TN: HY2:Feb 80:338:15165
Geometry of Gravel Streams, Howard H. Chang, HY9:Sept 80:1443:15678
Geometry of Rivers in Regime, Howard H. Chang, HY6:June 79:691:14640
Graphics for Hydraulic Transients Simulation, Peter Shanahan and Brendan M. Harley, CP80:June 80: 27
Groundwater Recharge: Economic Benefit Quantified, Lonnie D. Schardt, IRKB:July 80:129
Hydraulic Considerations in Declining-Rate Filtration, John L. Cleasby and Luiz Di Bernardo, EE6:Dec 80:1043:15892
Inaccuracies in the Characteristics Method, E. Benjamin Wylie, HYCO:Aug 80:165
Linear Theory Methods for Pipe Network Analysis, Lewis T. Isaacs and Kevin G. Mills, HY7:July 80: 1191:15559
Modeling Channel Processes with Changing Land Use, Leonard J. Lane and George R. Foster, IRKB: July 80:200
Modified Broad-Crested Weirs for Lined Canals, John A. Replogle and Albert J. Clemmens, IRKA: July 80:463
Optimal Design of Water Distribution Networks, Antonio Cenedese and Paolo Mele, HY2:Feb 78: 237:13568
Recommendations for use of SI Units in Hydraulics, Margaret S. Petersen, HY12:Dec 80:1981:15931
Research Needs in Hydraulics, Coastal Engineering and Irrigation, CE:Apr 80:83
Rockfill Linings for Channels, David Stephenson, IRKB:July 80:643
Scour Around Bridge Piers at High Flow Velocities, Subhash C. Jain and Edward E. Fischer, HY11:Nov 80:1827:15845
Some Paradoxes in the History of Hydraulics, Hunter Rouse, HY6:June 80:1077:15475
Sources of Computer Programs in Hydraulics, David R. Basco, Chmn., HY5:May 80:915:15435
Stable Alluvial Canal Design, Howard H. Chang, HY5:May 80:873:15420
Urban Storm Sewer Flows in Coastal Areas, Chintu Lai, HYUS:June 80:244

Hydraulic Servomechanisms
A Rectilinear Force Generator For Full Scale Vibration Testing, J. I. Craig and F. D. Lewis, EM81:Jan 81:102

Hydraulic Structures
Risk Analysis for Hydraulic Design, Yeou-Koung Tung and Larry W. Mays, HY5:May 80:893:15419

Hydraulic Transients
Hydraulic Transients Following Valve Closure, C. S. Watt, J. M. Hobbs and A. P. Boldy, HY10:Oct 80: 1627:15740
SIND Modeling for Unsteady Flow Assessments, Joel L. Caves and Robert L. Johnson, HYCO:Aug 80:281

Hydraulic Transportation
Aerospace Technology for Freight Pipelines, Henry Liu and Donald L. Gibson, MGC:July 80:97

Hydrocarbons
Alcohol Fuel Impacts Upon Energy Conservation and Air Quality, J. Barrett Pullman, CAAA:Nov 79:341
The Impact of Hydrocarbon Emission Controls on Marine Design, Joseph G. Zabaga, PO80:May 80: 677
Transportation Air Quality Planning — The Twin Cities Approach, Raymond W. Thron and David Braslau, CAAA:Nov 79:215
Trip-Based Analysis of Auto Emissions, Greig Harvey, CAAA:Nov 79:225

Hydrodynamic Pressure
Boundary Element Analysis Of Reservoir Vibration, Jagmohan L. Humar and Youssef G. Hanna, EM81:Jan 81:461
Earthquake Resistant Design of Concrete Gravity Dams, Anil K. Chopra, ST6:June 78:953:13823
Hydrodynamic Mass at Piers, Wharves and Dolphins, Casimir J. Kray, Preprint No.80-093, Apr 80, 21pp.

Hydrodynamics
Analysis of Floating Bridges: The Hood Canal Bridge, Rene W. Luft, EM81:Jan 81:1
Buoyant Surface Jet in Tidal Longshore Current, Eric J. Wolanski and Michael L. Banner, HY11:Nov 78: 1505:14186
Efficient Simulation of Nonlinear Steady Flow, Gary C. Niemeyer, HY3:Mar 79:185:14420
Formulating Lake Models which Preserve Spectral Statistics, Christos Babajimopoulos and Keith W. Bedford, HY1:Jan 80:1:15137
Linear and Nonlinear Wave Action Estimates, Robert T. Hudspeth and Larry S. Slotta, EM2:Apr 78:319:13695
Physical Modeling of Bubble Screens, Sahim Tekeli and W. Hall C. Maxwell, WW1:Feb 80:49:15176
Size Effect in Damping Caused by Water Submersion, Richard G. Dong, ST5:May 79:847: 14581
Three-Dimensional Wakes: Origin and Evolution, Enzo Levi, EM4:Aug 80:659:15618
Verifying Lake Transport Models with Spectral Statistics, Keith W. Bedford and Christos Babajimopoulos, HY1:Jan 80:21:15138
Wave Dampening Due to Rubblemound Breakwaters, Michael de St.Q. Isaacson, WW4:Nov 78:391: 14178
Wave Runup around Large Circular Cylinder, Michael de St.Q. Isaacson, WW1:Feb 78:69:13563

Hydroelasticity
Dynamic Response Of Floating Bridge To Wave Forces, Charles H. Beauchamp and Dominique N. Brocard, EM81:Jan 81:46

Hydroelectric Power
Energy-Dissipating Bypass for Hydroelectric Powerhouse, Edmund F. Goedde, Vsevolod G. Guins and Richard P. Strumpf, HY12:Dec 79:1487: 15070
Small-Scale Hydro Plants in Irrigation Systems, Calvin C. Warnick, IRKA:July 80:216
Warrior Ridge Redevelopment, Richard T. Gallus and Robert C. Richert, EY1:Jan 79:1:14295

Hydroelectric Power Generation
Alternatives and Trade-Offs Between Low-Flow Releases and Hydropower Generation, Joseph H. Kenny and Patricia P. Pingel, Preprint No.80-154, Apr 80, 8pp.
The California Drought—Its Effect on Runoff Forecasting For Power Generation, Gary J. Freeman, EFHYF:Mar 79:266
Determining Feasibility of Small-Scale Hydropower, David C. Willer, Preprint No.80-518, Oct 80, 10pp.
Energy Impact Analysis in Water Project Planning, Robert M. Hagan and Edwin B. Roberts, WR1:Mar 80:289:15271
Equipment for Investigations of Fluvial Sediment, Paul C. Benedict, HY3:Mar 79:163:14407
Excavation of World's Largest Underground Powerhouse, Laurent Hamel and David Nixon, CO3:Sept 78:333:13995
Feasibility of Five Low-Head Hydro Projects, James V. Williamson and Anthony Wayne Pietz, EY1:Apr 80:57:15327
Hydro Expansion Studies at Holtwood and Safe harbor, Purshotam L. Chai and William N. Strobel, EY2:Aug 79:265:14771
Hydrology and Environmental Assessments, Arliss D. Ray, William P. Wenstorm and Dan D. Taylor, EFHYF:Mar 79:387
Modeling Reservoir System With Pumped Storage, George F. McMahon, Vernon R. Bonner and Bill S. Eichert, WR1:Mar 80:239:15248
Multiple Objectives in Reservoir Operation, George W. Tauxe, Dean M. Mades and Robert R. Inman, WR1:Mar 80:225:15240
The New Energy Boom: Hydropower, Ann E. Seltz-Petrash, CE:Apr 80:66
Real-Time Hourly Reservoir Operation, William W-G. Yeh, Leonard Becker and Wen-Sen Chu, WR2: Sept 79:187:14813
Session VIII—Environmental Applications, Michael B. Sonnen, EFHYF:Mar 79:430
Small Scale Hydropower in the West, Michael J. McLatchy, IRKA:July 80:374
Tidal Power from Rectangular Estuaries: Tidal Dynamics Constraints, Ian S. Robinson and John M. Perry, HY11:Nov 80:1915:15858
Water for the Valley of the Sun, William W. Reedy, WR2:July 80:477:15544
Water Use For Electric Power Generation, David M. Snyder, K. T. Mao and Robert D. Glynn, Jr., EFHYF:Mar 79:400

Hydroelectric Powerplants
James Powerhouses—Layout and Design Criteria, Klaus R. Ludwig and Richard T. Olive, EY2:Oct 80:235:15771
Streamflow Network in The Province of Alberta, 1980, Hans Ryckborst, IRKA:July 80:63

Hydroelectric Resources
Warrior Ridge Redevelopment, Richard T. Gallus and Robert C. Richert, EY1:Jan 79:1:14295

Hydrofoils
Multi-Modal Transportation in Hawaii, E. Alvey Wright, MGC:July 80:1

Hydrogen Sulfide
Automatic Steam Gathering Reduces Emissions at "The Geysers", CE:June 80:78

Hydrogeology
Hydrogeology of a Shallow Till Under Irrigation, M. James Hendry, IRKA:July 80:21

Hydrographic Surveys
Surveying and Mapping Research 1978-1988: An Overview, Morris M. Thompson, SU1:Nov 79:43: 14957
Water Control Difficulties Through Flooded Lakes Systems, Donald John Blackmore, ASDC:80:69

Hydrographs
A Baseflow Simulation Model, Susan E. Hogg, Anton G. Thompson and W. David Striffler, IRKB:July 80:755
Changing Needs in Urban Flood Forecasting, L. Scott Tucker, EFHYF:Mar 79:295
Comparison of Muskingum Method Difference Schemes, Antonis D. Koussis, TN: HY5:May 80: 925:15383
Effects of Logging Roads on Storm Hydrographs, Everett P. Springer and George B. Coltharp, IRKB: July 80:228
Hydrographs by Single Linear Reservoir Model, John T. Pedersen, John C. Peters and Otto J. Helweg, HY5:May 80:837:15430
Parallel Cascades Model for Urban Watersheds, Mordechai H. Diskin, Simon Ince and Kwabena Oben-Nyarko, HY2:Feb 78:261:13569
Sediment Transport in a Pool-Riffle Stream, James Milligan, Edward Chacho and Myron Molnau, IRKB:July 80:430
Session I—Analytic Techniques in Hydrology—State-of-the-Art, John J. Cassidy, EFHYF:Mar 79:414
Spatial Simulation of Snow Processes, Anton G. Thomsen and W. David Striffler, IRKB:July 80:326
X-Ray Analysis and Suspended Sediment Source Area, Carlton S. Yee and Annette Parsons, IRKB: July 80:442

Hydrologic Aspects
The Benefits of Uncertainty: Probability in Short and Long Term Hydrologic Forecasting, Rafael L. Bras, EFHYF:Mar 79:141
Hydrological Impacts of Silvicultural Activities, Charles A. Troendle, IR1:Mar 79:57:14437
Hydrologic Transport Model for Surface Mined Lands (Abstract), Mark E. Auernhamer, IRKB:July 80:911
Planning For User Oriented Hydrologic Forecasts, L. Douglas James, EFHYF:Mar 79:101

Hydrologic Data
Airborne Hydraulic Surveys: Mission Planning, Srinivasan Thiruvengadachari and Damal V. Rohini Kumar, SU1:Nov 80:35:15843
Attitude, Guidelines, and Technology in Plan Formulation, William K. Johnson, EFHYF:Mar 79: 342
Augmentation of Hydrologic Records Using Tree Rings, Charles W. Stockton and William R. Boggess, EFHYF:Mar 79:239
The Benefits of Uncertainty: Probability in Short and Long Term Hydrologic Forecasting, Rafael L. Bras, EFHYF:Mar 79:141
BPA Hydrologic Forecasting Considerations and Action During the 1976-77 Drought, William R. Gordon, C. H. Watkins and R. C. Lamb, EFHYF: Mar 79:274
Changing Needs in Urban Flood Forecasting, L. Scott Tucker, EFHYF:Mar 79:295
Commercial Satellites for Data Collection (Abstract), William G. Shope and Richard W. Paulson, MGC: July 80:362
Computer Analysis of Hydrologic Time Series, Jose D. Salas and Ricardo A. Smith, CP80:June 80:305
Contamination in the Hydrologic Data Base, Robert J.C. Burnash and R. Larry Ferral, EFHYF:Mar 79: 303
Development of a Landfill Classification System, Michael U. Flanders, CP80:June 80:239
Geomorphic Evidence of Frequent and Extreme Floods, James C. Knox, EFHYF:Mar 79:220
Hydrologic Considerations in Federal Coal Leasing, Bruce Van Haveren, IRKB:July 80:655
Hydrologic Transport Model for Surface Mined Lands (Abstract), Mark E. Auernhamer, IRKB:July 80:911
Locally Important Economic Considerations in Flooding and Flood Plain Management, D. Earl Jones, Jr., EFHYF:Mar 79:352
Planning For User Oriented Hydrologic Forecasts, L. Douglas James, EFHYF:Mar 79:101
Problems in Operational Hydrologic Forecasting, Jack F. Hannaford and Roderick L. Hall, EFHYF: Mar 79:47
Session I—Analytic Techniques in Hydrology—State-of-the-Art, John J. Cassidy, EFHYF:Mar 79:414
Session II—Economic Aspects of Hydrologic Forecasting, L. Douglas James, EFHYF:Mar 79:417
Session IV—Non-Meteorologic Data, William R. Boggess, EFHYF:Mar 79:422
Session VI—Changing Needs in Hydrologic Forecasting, William P. Henry, EFHYF:Mar 79:426
Simulation Model for Open Pit Mine Dewatering, Catherine Kraeger-Rovey, HYCO:Aug 80:107
Statistical Programs in Engineering Hydrology, Jose D. Salas and Ricardo A. Smith, CP80:June 80:315
Use of Physical Data for Estimating Sediment Yield, Ronnie D. Clark, IRKB:July 80:836

Hydrologic Models
The Benefits of Uncertainty: Probability in Short and Long Term Hydrologic Forecasting, Rafael L. Bras, EFHYF:Mar 79:141
A Data Base System for Real Time Hydrologic Modeling, Robert M. Ragan and Jack D. Fellows, AS80:Aug 80:33
Digital Terrain Models in Civil Engineering Design, Robert N. Eli and Ronald W. Eck, CP80:June 80: 122
Environmental Model of Kissimmee River Basin, Philip B. Bedient, Wayne C. Huber and James P. Heaney, WR2:Nov 77:241:13326
Erosion and Sediment Yield Models—An Overview, Walter G. Knisel, Jr., IRKB:July 80:141
Evaluating Hydrologic Responses to Forest Activities, Charles C. Avery and Malchus B. Baker, Jr., IRKB:July 80:485
Hydrologic Considerations in Federal Coal Leasing, Bruce Van Haveren, IRKB:July 80:655
Hydrologic Generating Model Selection, Keith William Hipel, Edward A. McBean and Angus Ian McLeod, WR2:Sept 79:223:14817
Hydrologic Simulation of the Effects of Forest Removal, D. S. Chanasyk and Jacobus P. Verschuren, IRKB:July 80:452
Improved Watershed Management using Remote Sensing, Albert Rango, IRKB:July 80:1019
Problems in Operational Hydrologic Forecasting, Jack F. Hannaford and Roderick L. Hall, EFHYF: Mar 79:47
Session I—Analytic Techniques in Hydrology—State-of-the-Art, John J. Cassidy, EFHYF:Mar 79:414
Session II—Economic Aspects of Hydrologic Forecasting, L. Douglas James, EFHYF:Mar 79:417
Spatial Simulation of Snow Processes, Anton G. Thomsen and W. David Striffler, IRKB:July 80:326
Use of Digital Terrain Data in Topographic Analysis, Siamak Khorram and H. Gregory Smith, ASDC:80: 368

Hydrologic Properties
A Baseflow Simulation Model, Susan E. Hogg, Anton G. Thompson and W. David Striffler, IRKB:July 80:755

Hydrology
Accuracy of Snowmelt Runoff Estimates, Mark E. Hawley, Richard H. McCuen and Albert Rango, IRKB:July 80:347
The Annual Water Balance, Peter S. Eagleson, HY8: Aug 79:921:14781
Augmentation of Hydrologic Records Using Tree Rings, Charles W. Stockton and William R. Boggess, EFHYF:Mar 79:239
BPA Hydrologic Forecasting Considerations and Action During the 1976-77 Drought, William R. Gordon, C. H. Watkins and R. C. Lamb, EFHYF: Mar 79:274
Coastal Plains Unit Hydrograph Studies, Donald E. Woodward, Paul I. Welle and Helen Fox Moody, HYUS:June 80:99
Comparison of HEC 1 & TR 20 Programs, Muthusamy Krishnamurthy and W. Tracy Lenocker, HYUS:June 80:92

Composite Water Movement in a Sloping Phosphate Mine Dump, Roland W. Jeppson and Eugene E. Farmer, IRKB:July 80:855
A Data Base System for Real Time Hydrologic Modeling, Robert M. Ragan and Jack D. Fellows, AS80:Aug 80:33
Dissolved Solids from Appalachia Coal Mining, Jack D. Generaux and Keith O. Eggleston, IRKB:July 80:607
Drainage System Design and Implementation in Southwestern British Columbia, Brian E. Baehr, IRKA:July 80:274
Environmental Information From Sediments, David P. Adam, EFHYF:Mar 79:206
Evaluating Hydrologic Responses to Forest Activities, Charles C. Avery and Malchus B. Baker, Jr., IRKB:July 80:485
Geomorphic Indices of Hydrologic Characteristics, James R. Maxwell and Richard A. Marston, IRKB: July 80:1
Groundwater Recharge: Economic Benefit Quantified, Lonnie D. Schardt, IRKB:July 80:129
Hydroclimatology—A Needed Cross-Discipline, Ronald F. Kilmartin, EFHYF:Mar 79:160
Hydrologic/Economic Systems in Watershed Research, David G. Carvey and James G. Robb, IRKB:July 80:1036
Hydrologic Effects of a Severe Forest Fire, J. D. Cheng, IRKB:July 80:240
Hydrologic Simulation of the Effects of Forest Removal, D. S. Chanasyk and Jacobus P. Verschuren, IRKB:July 80:452
Hydrologic Telemetry from Remote Areas, Robert A. Halliday, ASDC:80:329
Hydrologic Uncertainty and Project Benefits, Billy E. Martin and R. W. Julian, EFHYF:Mar 79:84
Hydrology and Environmental Assessments, Arliss D. Ray, William P. Wenstorm and Dan D. Taylor, EFHYF:Mar 79:387
Hydrology and Water Resources Planning: 1776-1976, Ray K. Linsley, WR1:Mar 79:113:14412
Impact of Hydrologic Uncertainties on Flood Insurance, Leo R. Beard, HY11:Nov 78:1473:14168
Improved Hydrologic Forecasting—Why and How, William P. Henry, Chmn., EFHYF:Mar 79
Improved Watershed Management using Remote Sensing, Albert Rango, IRKB:July 80:1019
Interstorm Relations in Pacific Northwest, Ralph H. Frederick, HY12:Dec 78:1577:14255
Land Imprinting for Better Watershed Management, Robert M. Dixon and John R. Simanton, IRKB: July 80:809
Landsat Imagery for Hydrologic Modeling?, Richard S. Taylor, Robert P. Shubinski and T. S. George, AS80:Aug 80:44
Locally Important Economic Considerations in Flooding and Flood Plain Management, D. Earl Jones, Jr., EFHYF:Mar 79:352
Log Pearson Type 3 Distribution: A Generalized Evaluation, Donthamsetti Veerabhadra Rao, HY5: May 80:853:15391
Methodology for Calibrating Stormwater Models, Thomas K. Jewell, Thomas J. Nunno and Donald Dean Adrian, EE3:June 78:485:13812
Origin and Evolution of the SCS Runoff Equation, Robert E. Rallison, IRKB:July 80:912
Path Clearcuts to Manage Snow in Lodgepole Pine, Howard L. Gary, IRKB:July 80:335
Phosphate Mine Dump Hydrology, Eugene E. Farmer, IRKB:July 80:846
Range Treatment Effects on Infiltration Rates, John M. Tromble, IRKB:July 80:802
Retention/Detention Basins in Coastal Areas, A. B. Pennell, HYUS:June 80:299
Session I—Analytic Techniques in Hydrology—State-of-the-Art, John J. Cassidy, EFHYF:Mar 79:414
Session II—Economic Aspects of Hydrologic Forecasting, L. Douglas James, EFHYF:Mar 79:417
Session III—Meteorology and Hydrology, Roger A. Amisial, EFHYF:Mar 79:419
Session IV—Non-Meteorologic Data, William R. Boggess, EFHYF:Mar 79:422
Session VI—Changing Needs in Hydrologic Forecasting, William P. Henry, EFHYF:Mar 79:426
Statistical Programs in Engineering Hydrology, Jose D. Salas and Ricardo A. Smith, CP80:June 80:315
Stochastic Generation of Annual Streamflows, R. Srikanthan and Thomas A. McMahon, HY12:Dec 80:2011:15935
Timber Harvest and Water Yields in the Ozarks, Carl D. Settergren, R. Michael Nugent and Gary S. Henderson, IRKB:July 80:661
Watershed Management in Action on the Boise Front, Clifton W. Johnson, Glen M. Secrist, Gerald C. Scholten and Robert J. Baum, IRKB:July 80:998

Hydrometeorology

Amazon Basin Hydrometeorology, Allen T. Hjelmfelt, Jr., HY6:June 78:887:13825
Columbia River Operational Hydromet Management System (CROHMS), Douglas D. Speers, ASDC:80: 337
Hydromet Data Base for Forecasting and Operations, Vernon C. Bissell and Edward M. Davis, Preprint No.80-148, Apr 80, 27pp.
Myths and Uses of Hydrometeorology in Forecasting, Gene E. Willeke, EFHYF:Mar 79:117

Hydrostatics

Reinforced Thermosetting Resin Pipe, B. Jay Schrock, Chmn., TE2:Mar 79:165:14450

Hydrostatic Tests

Cap Model Guided By Energy Concept, Shoji E. Yamada and Ahmed S. Abou-Sayed, GT2:Feb 79: 183:14384

Hyetographs

Design Hyetographs for Small Drainage Structures, Ben Chie Yen and Ven Te Chow, HY6:June 80: 1055:15452
Optimal Sequence of Incremental Precipitation, Anand Prakash, TN: HY12:Dec 78:1668:14199
Parallel Cascades Model for Urban Watersheds, Mordechai H. Diskin, Simon Ince and Kwabena Oben-Nyarko, HY2:Feb 78:261:13569

Hyperbolic Parabolic Shells

Buckling of Stiffened Hyperboloidal Cooling Towers, Ihsan Mungan and Otto Lehmkamper, ST10:Oct 79:1999:14917
Comparison of FEM Analyses for a Hyperboloidal Shell, James R. Shaver and Timothy A. Reinhold, CP80:June 80:161
Cooling Towers Using Measured Wind Data, Prodyot K. Basu and Phillip L. Gould, ST3:Mar 80:579: 15259
Meridional Imperfection in Cooling Tower, Adam Al-Dabbagh and Ajaya K. Gupta, ST6:June 79: 1089:14636

Hypsometric Analysis

Hydraulic Geometry Coefficients of Floodplains, Nani G. Bhowmik, HYCO:Aug 80:86

Hysteresis

Estimating Earthquake Response of Simple Hysteretic Structures, Wilfred D. Iwan and Nathan C. Gates, EM3:June 79:391:14644
Hysteretic Cycles of Axially Loaded Steel Members, Ashok K. Jain, Subhash C. Goel and Robert D. Hanson, ST8:Aug 80:1777:15607
Hysteretic Fracturing Endochronic Theory for Concrete, Zdenek P. Bazant and Ching-Long Shieh, EM5:Oct 80:929:15781
Inelastic Cyclic Behavior of Tubular Braced Frames, Egor P. Popov, Stephen A. Mahin and Victor A. Zayas, ST12:Dec 80:2375:15918
Seismic Behavior of Structural Subassemblages, Egor P. Popov, ST7:July 80:1451:15519

I Beams

Approximate Curved I-Girder Design, Conrad P. Heins, Preprint No.80-504, Oct 80, 13pp.
Buckling Properties of Monosymmetric I-Beams, Sritawat Kitipornchai and Nicholas S. Trahair, ST5: May 80:941:15406

Continuous Steel I-Girders: Optimum Proportioning, Abul K. Azad, ST7:July 80:1543:15575
Tapering I-Section Frames, M. Anwarul Islam and David Anderson, TN: ST6:June 80:1367:15451
Torsional Stiffening of I-Girder Webs, Conrad P. Heins and Robert A. Potocko, ST8:Aug 79:1689:14788
Unbraced Length Requirements for Steel I-Beams, Morris Ojalvo and Ronald R. Weaver, ST3:Mar 78:479:13634

Ice
Physical Hydraulic Model Study of an Ice-Covered River, Robert P. Johnson and Thomas V. Kotras, HYCO:Aug 80:431
Probability Analysis of Historical Flood Data, Robert Gerard and Edward W. Karpuk, HY9:Sept 79:1153:14834
Snow Load Analysis for Structures, Arnfinn Rusten, Ronald L. Sack and Myron Molnau, ST1:Jan 80:11:15102
Winter Roads and Ice Bridges, Ligouri M. Lefebvre, CE:Dec 79:54

Icebreakers
New Coast Guard Icebreakers for the Fourth Coast, Alan S. Gracewski, CZ80:Nov 80:624

Ice Cover
Transverse Mixing Tests in Natural Streams, Spyridon Beltaos, HY10:Oct 80:1607:15731
Wintertime Flow Distribution in River Channels, Hung Tao Shen and Norbert L. Ackermann, HY5: May 80:805:15427

Ice Disintegration
Modeling Ice Regime of Lake Erie, Akio Wake and Ralph R. Rumer, Jr., HY7:July 79:827:14694

Ice Formation
Modeling Ice Regime of Lake Erie, Akio Wake and Ralph R. Rumer, Jr., HY7:July 79:827:14694

Ice Jams
Physical Hydraulic Model Study of an Ice-Covered River, Robert P. Johnson and Thomas V. Kotras, HYCO:Aug 80:431

Ice Loads
Floating Ice Platforms: Offshore Oil Exploration, D. M. Masterson and H. R. Kivisild, ST1:Jan 80:133:15101

Ice Mechanics
Floating Ice Platforms: Offshore Oil Exploration, D. M. Masterson and H. R. Kivisild, ST1:Jan 80:133:15101

Ice Pressure
Physical Hydraulic Model Study of an Ice-Covered River, Robert P. Johnson and Thomas V. Kotras, HYCO:Aug 80:431
A Statistical Prediction of Effective Ice Crushing Stresses on Wide Structures, P. R. Kry, Preprint No.80-084, Apr 80, 20pp.

Idaho
Dam Safety in Idaho, C. Stephen Allred and Norman C. Young, Preprint No.80-152, Apr 80, 9pp.
The Impact of Irrigation on Ground Water Quality, David L. Carter, IRKA:July 80:13
Indian Water Rights in Idaho, Thomas S. Longley, WR2:July 80:439:15528
Phosphate Mining in Southeast Idaho, Edward B. Connors, IRKB:July 80:867
Recent Designs of Inlet Systems for Irrigation Pipelines, Karl D. Larson, IRKA:July 80:291
Snow-Erosion Relationships on Mine Waste Dumps, Myron Molnau and Edward Chacho, IRKB:July 80:877

Identification
Hybrid Modeling Of Seismic Soil-Structure Interaction, Sunil Gupta and Joseph Penzien, EM81:Jan 81:201
Identification Of A Class Nonlinear Dynamic Systems, Sami F. Masri, George A. Bekey, Hassan Sassi and Thomas K. Caughey, EM81:Jan 81:794
Identification of Wind Force Spectrum, Stepan S. Simonian and Gary C. Hart, EM81:Jan 81:672
System Identification: Review And Examples, Ken Blakely, Paul Ibanez, Shelley Griffith, Bob Cooper and John Stoessel, EM81:Jan 81:846

Idling
Developments in Motor Vehicle Inspection/Maintenance, Thomas Cackette, Philip Lorang and David Hughes, CAAA:Nov 79:76

Illinois
Application of Landsat to the Inventory of Dams, Andrew R. Blystra and Raymond R. Dumas, AS80:Aug 80:54
Lake Michigan Water Allocation in Illinois, Frank L. Kudrna, Donald R. Vonnahme and Kenneth L. Brewster, WR1:Mar 80:43:15232
Mode Choice Models with Perceived Reliability Measures, Joseph N. Prashker, TE3:May 79:251:14569
Nutrient Budget Analysis for Rend Lake in Illinois, Veerasamy Kothandaraman and Ralph L. Evans, EE3:June 79:547:14616

Image Analysis
Coal, Wildlife and Remote Sensing, James R. Getter, ASDC:80:198
Landsat Image Processing and Mapping Techniques and Their Utility for Civil Engineering Applications (Abstract), Donald R. Morris-Jones and Mervyn B. Walsh, AS80:Aug 80:182

Images
Aerial Photography in Fire Risk Assessment, Paul R. DeCicco, AS80:Aug 80:155
Landsat Image Processing and Mapping Techniques and Their Utility for Civil Engineering Applications (Abstract), Donald R. Morris-Jones and Mervyn B. Walsh, AS80:Aug 80:182
Satelite Imagery and Shoreline Erosion Prediction, Charles W. Welby, AS80:Aug 80:78
Thermographic Applications for Plant and Building Engineers, Henry H. Schmalz, AS80:Aug 80:131

Impact
The Berthing of a Ship to a Jetty, H. L. Fontijn, WW2:May 80:239:15407
Densification of Loose Deposits by Pounding, Robert G. Lukas, GT4:Apr 80:435:15376
Ductility Ratio for Slabs, Edwin G. Burdette and Dennis Bernal, ST11:Nov 78:1741:14131
Economic Effect of Heavy Trucks on Highways, C. Michael Walton and Dock Burke, MGC:July 80:105
Fendering Requirements/Design Fender Impact Criteria, J. S. Balfour, J. C. Feben and D. L. Martin, PO80:May 80:504
Hydrologic Impact of Small Depressional Watersheds, Curtis L. Moore and Larson, IR4:Dec 80:345:15937
Impactive Effects of Tornado Missiles and Aircraft, Anil K. Kar, ST11:Nov 79:2243:14968
Lateral Loads on Power Boilers, Hugh W. Hempel, EY2:Aug 79:241:14751
Local Effects of Tornado-Generated Missiles, Anil K. Kar, ST5:May 78:809:13775
Low Velocity Projectile Penetration of Clay, Umesh Dayal, John H. Allen and Dronnadula V. Reddy, GT8:Aug 80:919:15657
Perforation of Reinforced Concrete Slabs, Peter P. Degen, ST7:July 80:1623:15579
The Physical Impacts of Sand Removal From Rivers, Jimmy F. Harp and Joakim G. Laguros, IRKA:July 80:180

Progressive Damage of Dynamically Loaded Brittle Rod, D. Krajcinovic, M. G. Srinivasan, G. U. Fonseka and R. A. Valentin, Preprint No.80-522, Oct 80, 13pp.
Seismic Response of Uplifting Building Frame, Arthur A. Huckelbridge, Jr. and Ray W. Clough, ST8:Aug 78:1211:13974
Structural Response of R/C Slabs to Tornado Missiles, Peter M. McMahon, Subir K. Sen, Bernard L. Meyers and Kenneth P. Buchert, ST3: Mar 79:547:14443
Treatment of Peaty Clay by High Energy Impact, Salem D. Ramaswamy, Mohamed A. Aziz, Raja V. Subrahmanyam, M. H. Abdul Khader and Seng-Lip Lee, GT8:Aug 79:957:14787
Wood Beams Under Impact Load, Borislav D. Zakic, ST7:July 79:1489:14690

Impact Forces
Projectile Penetration into Steel, Anil K. Kar, ST10: Oct 79:1871:14874
Railway-Bridge Impact: Simplified Train and Bridge Model, Kuang-Han Chu, Vijay K. Garg and Chaman L. Dhar, ST9:Sept 79:1823:14855
Vehicle Braking on Highway Bridges, Radhey K. Gupta and Rupert W. Traill-Nash, EM4:Aug 80: 641:15615

Impact Loads
Dynamic Loading of Highway Bridges, Radhey K. Gupta, EM2:Apr 80:377:15359
Impactive Effects of Tornado Missiles and Aircraft, Anil K. Kar, ST11:Nov 79:2243:14968
A Study of the use of Ambient Vibration Measurements to Detect Changes in the Structural Characteristics of a Building, Peter R. Sparks, Alan P. Jeary and V. C. M. de Souza, EM81:Jan 81:189

Impacts
Weighting of Factors in Environmental Evluation, Naojiro Aoshima and Shogo Kawakami, UP2:Nov 79:119:14952

Impact Tests
Assessment of Empirical Concrete Impact Formulas, George E. Sliter, ST5:May 80:1023:15411

Impedance
Hybrid Modeling Of Seismic Soil-Structure Interaction, Sunil Gupta and Joseph Penzien, EM81:Jan 81:201
Impedance Functions of Piles in Layered Media, Milos Novak and Fakhry Aboul-Ella, EM3:June 78: 643:13847

Imperfections
Cooling Towers with Circumferential Imperfections, Charles P. Ellinas, James G.A. Croll and Kenneth O. Kemp, ST12:Dec 80:2405:15910
Effect of Imperfections on Vertical Track Buckling, Yehia M. El-Aini, EM6:Dec 78:1327:14221
Meridional Imperfection in Cooling Tower, Adam Al-Dabbagh and Ajaya K. Gupta, ST6:June 79: 1089:14636
Meridionally Imperfect Cooling Towers, James G.A. Croll, Fevzi Kaleli and Kenneth O. Kemp, EM5: Oct 79:761:14895
Strength Variation of Laterally Unsupported Beams, Yuhshi Fukumoto, Yoshito Itoh and Masahiro Kubo, ST1:Jan 80:165:15142

Impervious Membranes
Analog Model for Piles in Expansive Clay, Joram M. Amir and M. S. Sokolov, SLS:June 80:582

Impingement
Unsteady Features of Flow Past a Cavity, Donald Rockwell and Charles Knisely, HY8:Aug 79:969: 14773

Imports
Birth of the Synthetic Fuels Industry, Eugene E. Dallaire, CE:July 80:49

Impoundment
Wind-Driven Flow in Mississippi River Impoundment, Heinz G. Stefan and Keith J. Anderson, HY9:Sept 80:1503:15699

Impoundments
Cooling Impoundments: Classification and Analysis, Gerhard H. Jirka and Donald R.F. Harleman, EY2: Aug 79:291:14779
Numerical Simulation of Turbulent Stratified Flows in Surface Water Impoundments, Angelos N. Findikakis and Robert L. Street, HYCO:Aug 80: 249
Unsaturated Flow Beneath Tailings Impoundments, David B. McWhorter and John D. Nelson, GT11: Nov 79:1317:14999
Water Source Investigation for Newport News, Va., Robert C. Dolecki, Richard E. Underhill and James A. Rhodes, EE80:July 80:249

Impregnation
Polymer-Impregnated Concrete at Dworshak Dam, Rodney J. Stebbins, CO4:Dec 78:539:14229

Impulsive Loads
Dynamic Stability of Statically Pre-Loaded Systems, G. J. Simitses and Lazopoulos, EM81:Jan 81:477
Elastic-Plastic Deflections Due To Pulse Loading, P. S. Symonds, EM81:Jan 81:887

Incentives
Allocating Risk and Incentive in Construction, Raymond E. Levitt, David B. Ashley and Robert D. Logcher, CO3:Sept 80:297:15710
Allocation of Risks — A Contractor's View, Norman A. Nadel, CRLS:Jan 79:1-61
Construction Contract Arrangements, Solomon Ribakoff, CRLS:Jan 79:1-83

Incineration
Air Pollutants from Sewage Sludge Incineration, Thomas T. Shen, EE1:Feb 79:61:14370
Codisposal of Sludge and Refuse, William F. Cosulich and Miro Dvirka, EE80:July 80:592
Demonstration d-RDF Burn GSA Pentagon Power Plant, H. M. Freeman, Jay Campbell and M. A. Golembiewski, EE80:July 80:598
Duluth Sanitary District First in U.S. to Take Charge of Both Sewage and Refuse, Eugene E. Dallaire, CE:June 80:60
Harrisburg Pioneering Codisposal of Refuse and Sludge, CE:Oct 79:72
RCRA Implementation and the Environmental Engineer's Role, John Lynch, EE80:July 80:199

Incinerators
Disposal of Hazardous Toxic Munition Waste, Irving Forsten, EE80:July 80:440
RCRA Implementation and the Environmental Engineer's Role, John Lynch, EE80:July 80:199

Inclusions
Harmonic Shape and Optimum Design, Rowland Richards, Jr. and Gordon S. Bjorkman, Jr., EM6: Dec 80:1125:15889
Tension Resistant Inclusions in Soils, Kamal Z. Andrawes, Alan McGown, Mohsen M. Mashhour and Ragui F. Wilson-Fahmy, GT12:Dec 80:1313: 15928
Viscoelastic Inclusion Problem, Norman Laws, EM5: Oct 80:915:15736

Income Analysis
Distribution of Urban Transportation Costs, Chris Hendrickson and John Pucher, UT79A:July 79:81
Race, Income and Attitude Toward Beach Cleanliness, Charles A. Heatwole and Neils C. West, CZ80:Nov 80:1684

Indexing
Water Quality Indexing and Scoring, Roy O. Ball and Richard L. Church, EE4:Aug 80:757:15617

India
Airborne Hydraulic Surveys: Mission Planning, Srinivasan Thiruvengadachari and Damal V. Rohini Kumar, SU1:Nov 80:35:15843
Behavior of Auxiliary Intake of Ramganga Dam at Low Levels, Hari Mohan, Heramb D. Sharma, Dharam V. Varshney and Shivaraj S. Tiagi, HY7: July 77:753:13091
Rain Water Management for Low Land Rice Cultivation in India, V. V. Dhruva Narayana, IR1: Mar 79:87:14430
A Seismo-Tectonic Study of the Western Narmada Valley Using Landsat Imagery, S. N. Pandey, ASDC:80:171

Indian Reservations
Indian Water Rights in Idaho, Thomas S. Longley, WR2:July 80:439:15528

Industrial Relations
Labor Relations Considerations on PCM Projects, Russell J. Christesen and Clyde B. Tatum, CO4: Dec 80:535:15920

Industrial Wastes
Biological Oxidation of Coke Plant Effluent, Richard G. Luthy and Lisa D. Jones, TN: EE4:Aug 80:847: 15588
Broad Area Searches for Hazardous Waste Disposal, Allen W. Hatheway, Pickett T. Simpson and John L. Splendore, EE80:July 80:329
Comparative Metals Precipitation Techniques, Lynn P. Croy and William R. Knocke, EE80:July 80:534
The Effect of Complex Formation on the Removal of Heavy Metals from Water and Wastewater, C. P. Huang and A. R. Bowers, EE80:July 80:240
EPA Goes to BAT Against Toxic Industrial Wastewater, Michael J. Bartos, Jr., CE:Sept 79:87
Filtration for Treating Metal-Finishing Wastes, Charles H.H. Yeh and Mriganka M. Ghosh, EE80: July 80:546
How New Jersey is Handling Its Hazardous Wastes, CE:Sept 79:81
Industrial Waste Monitoring: A Statistical Approach, Gerald W. Foess and Wayne St. John, EE5:Oct 80: 947:15758
Installation Restoration—An Army Initiative, Frank A. Jones, Jr., Donald K. Emig and John P. Glennon, EE80:July 80:571
Kinetic Model for Flocculation with Polymers, Peter M. Huck and Keith L. Murphy, EE4:Aug 78:767: 13950
Land Treatment Design Based on Long-Term Operation, Daniel J. Hinrichs and Richard Thomas, EE80:July 80:355
The Love Canal Remedial Action Report, Joseph L. Slack, EE80:July 80:564
Mixing of Buoyant Surface Jet over Sloping Bottom, Bijan Safaie, WW4:Nov 79:357:14954
Modeling Effects of Environmental Stresses due to Industrial Wastes on Gas Production by Landfill Sediments, S. Roychowdhury, L. Y. Young, D. Cox, J. Powers, J. Sharkey and M. Levandowsky, EE80:July 80:75
Modeling Toxicity in Methane Fermentation Systems, Gene F. Parkin and Richard E. Speece, EE80:July 80:288
Municipal/Industrial Waste Landfill Simulators, James J. Walsh, Riley N. Kinman and Nancy S. Neely, EE80:July 80:62
NEWCO and SCA — Harbingers for Future Hazardous Waste Siting Wrangles?, Peter N. Skinner, EE80:July 80:657
Organic Material and Soil Compressibility, Orlando B. Andersland and Abdul-Amir W.N. Al-Khafaji, GT7:July 80:749:15546
Organics Removal by Ion Exchange-Process Design, Christine Ann Macko and Walter J. Maier, EE80: July 80:394
Predicting Industrial Waste Impact on Ground Water, Kenneth F. Rosanski, Ian Watson, Gregory R. Fischer and Daniel B. Kleiman, Preprint No.80-535, Oct 80, 14pp.
Pretreatment Case Studies of Metal Finishers, John E. Eason, EE80:July 80:229
Pretreatment of Sewage for Heavy Metal Removals, Ju-Chang Huang and Patrick M. McCole, EE80: July 80:236
Public Water Supply Protection Benefits, Michael B. Sonnen, EE3:June 79:511:14604
Republic Steel Recycling Over 85% of Wastewater from Steel Mill, CE:June 80:102
River Clean-Up Plan Developed with Citizens and Industry, Harold J. Day, W. Elman, D. Theiler and R. Christianson, CE:Mar 80:78
Storm Water Treatment with Minor Plant Alterations, George R. Brower, Robert H. Brotherton and John B. Kincaid, EE80:July 80:472
TEACUP Pretreatment of Wastewaters, George E. Wilson, EE80:July 80:651
Toxic Chemicals in New Jersey's Environment: Cancer Link?, Eugene E. Dallaire, CE:Sept 79:74
USGS Sharpening Water-Quality Management Tools, Phillip E. Greeson, CE:Feb 79:92
Vacuum Filtration of Metal Hydroxide Sludges, William R. Knocke, Mriganka M. Ghosh and John T. Novak, EE2:Apr 80:363:15363

Industrial Water
Water: A Perspective on Global Issues and Politics, Asit K. Biswas, WR2:Sept 79:205:14815

Industries
The New OBERS Projections, Henry L. DeGraff, EFHYF:Mar 79:93

Inelastic Action
Biaxial Bending of Beams With or Without Torsion, Zia Razzaq and Theodore V. Galambos, ST11:Nov 79:2145:14972
Biaxial Bending Tests with or without Torsion, Zia Razzaq and Theodore V. Galambos, ST11:Nov 79: 2163:14973
Concrete Reinforcing Net: Optimum Slip-Free Limit Design, Zdenek P. Bazant and Tatsuya Tsubaki, ST2:Feb 79:327:14344
Concrete Reinforcing Net: Safe Design, Zdenek P. Bazant, Tatsuya Tsubaki and Ted B. Belytschko, ST9:Sept 80:1899:15705
Finite Response of Inelastic RC Structures, Siegfried M. Holzer, Arnold E. Somers, Jr. and Joel C. Bradshaw, ST1:Jan 79:17:14303
Inelastic Response Spectra for Aseismic Building Design, Shih-Sheng P. Lai and John M. Biggs, ST6: June 80:1295:15482
Inelastic Section Response by Tangent Stiffness, Clifford O. Hays, Jr. and T. K. Santhanam, ST7: July 79:1241:14668
Model for Mild Steel in Inelastic Frame Analysis, T. K. Santhanam, ST1:Jan 79:199:14333
Nonlinear Creep of Concrete—Adaptation and Flow, Zdenek P. Bazant and Sang-Sik Kim, EM3:June 79: 429:14654
Post-Yield Flexural Properties of Tubular Members, Stavros A. Anagnostopoulos, ST9:Sept 79:1757: 14821
Rough Cracks in Reinforced Concrete, Zdenek P. Bazant and Pietro Gambarova, ST4:Apr 80:819: 15330
Seismic Behavior of Structural Subassemblages, Egor P. Popov, ST7:July 80:1451:15519
Space Truss Design in Inelastic Range, Lewis C. Schmidt, Peter R. Morgan and John A. Clarkson, TN: ST12:Dec 78:1915:14201
Structural Plasticity Computer System: STRUPL, M. Z. Cohn and A. Franchi, ST4:Apr 79:789:14526
Total Strain Theory and Path-Dependence of Concrete, Zdenek P. Bazant and Tatsuya Tsubaki, EM6:Dec 80:1151:15911
Viscoplasticity of Transversely Isotropic Clays, Zdenek P. Bazant, Atilla M. Ansal and Raymond J. Krizek, EM4:Aug 79:549:14738

Inertia
Flow Coefficients and Computer Models Reliability, A'Alim A. Hannoura, HYCO:Aug 80:366

Forces on Block Bodies Accelerating in Still Fluid, Derek G. Goring and Fredric Raichlen, WW2:May 79:171:14582
Portland District's Experience with Inertial Survey, Roger J. Campbell, Preprint No.80-028, Apr 80, 11pp.
Virtual Mass of Coarse Granular Media, Alim A. Hannoura and John A. McCorquodale, WW2:May 78:191:13734

Infectious Diseases
Organics in Water—An Engineering Challenge, Perry L. McCarty, EE1:Feb 80:1:15180

Infiltration
Analytical-Numerical Computation of Infiltration, Antonis D. Koussis and Siu-Lun Chow, IR2:June 80:123:15494
Case Study of a Hazardous Waste Disposal Facility, David E. Murray, EE80:July 80:433
Curve-Number Procedure as Infiltration Method, Allen T. Hjelmfelt, Jr., TN: HY6:June 80:1107: 15449
Effect of Sediment on Advance Rates and Intake Rates, C. Dean Yonts, Walter L. Trimmer, Robert J. Edling and John Borrelli, IRKA:July 80:429
Flow Net for Unsaturated Infiltration from Strip Source, Vedat Batu, IR3:Sept 79:233:14822
Ground-Water Quality at Rapid Infiltration Site, James V. Olson, Ronald W. Crites and Paul E. Levine, EE5:Oct 80:885:15768
Hydrologic Parameter Distribution on a Mine Spoil, A. S. Rogowski, IRKB:July 80:764
Infiltration and Curve Numbers: Some Pragmatic and Theoretic Relationships, Richard H. Hawkins, IRKB:July 80:925
Land Imprinting for Better Watershed Management, Robert M. Dixon and John R. Simanton, IRKB: July 80:809
Mathematical Model of Border Irrigation, David W. Fonken, Thomas Carmody, Emmett M. Laursen and Delmar D. Fangmeier, IR3:Sept 80:203:15694
Optimal Seasonal Irrigation Application Analysis, William E. Hart, Donald I. Norum and Gideon Peri, IR3:Sept 80:221:15687
Range Treatment Effects on Infiltration Rates, John M. Tromble, IRKB:July 80:802
Reducing Sewer Infiltration/Inflow, Kelly M. Peil and Douglas S. Diehl, CE:Dec 79:50
Sediment Characteristics of the Tongue River Basin, Thomas J. Osborne and Charles B. Andrews, IRKB: July 80:114
A Simple Method to Characterize Watershed Soils, James W. Naney and Lajpat R. Ahuja, IRKB:July 80:731
Watershed Parameters as Influenced by Grazing, W. H. Blackburn, R. W. Knight, M. K. Wood and L. B. Merrill, IRKB:July 80:552

Infiltration (Water)
Rain Infiltration into Layered Soils: Prediction, Ahmed Y. Hachum and Jose F. Alfaro, IR4:Dec 80:311:15905

Infiltration Rate
Effect of Sediment on Advance Rates and Intake Rates, C. Dean Yonts, Walter L. Trimmer, Robert J. Edling and John Borrelli, IRKA:July 80:429
Five Years of Sewer System Evaluation, Alberto F. Gutierrez and J. Harry Rowell, EE6:Dec 79:1149: 15039
Rain Infiltration into Layered Soils: Prediction, Ahmed Y. Hachum and Jose F. Alfaro, IR4:Dec 80:311:15905

Inflatable Structures
Dynamic Response (Finite Element Approach) of Cable Reinforced Inflatables, O. G. Vinogradov and David J. Malcolm, Preprint No.80-101, Apr 80, 15pp.
Dynamic Response Of Inflatable Cable-Reinforced Structures Under WIND LOADING, O. G. Vinogradov, David J. Malcolm and Peter G. Glockner, EM81:Jan 81:338
The Fabric Roof, Allen Morrison, CE:Aug 80:60
Optimum Cable Configuration for Air-Supported Structures, David J. Malcolm and Peter G. Glockner, ST2:Feb 79:421:14381

Inflation (Economic)
Determining Future Needs through Fiscal Analysis, Paul S. Tischler, SU80:June 80:78
Identification and Nature of Risks—B, J. K. Lemley, CRLS:Jan 79:II-28
Risk and Liability: The Owner's View, Max W. Strauss, CRLS:Jan 79:I-25

Inflation (Economics)
Combatting Inflation from the Federal Highway Administration Viewpoint, Peter R. Picard, Preprint No.80-153, Apr 80, 16pp.
Conference Summary, George R. Beetle, UT79A:July 79:1
Construction Contract Arrangements, Solomon Ribakoff, CRLS:Jan 79:I-83
Construction Risk: Who Pays?, Virginia Fairweather, CE:Apr 79:64
The Effects of Inflation on Maintenance Work, Donald R. Anderson, Preprint No.80-138, Apr 80, 11pp.
Inflation — The Contractor's Enemy Too, William T. Peckham, Preprint No.80-097, Apr 80, 22pp.

Inflow
Five Years of Sewer System Evaluation, Alberto F. Gutierrez and J. Harry Rowell, EE6:Dec 79:1149: 15039

Information
Design Specification Representation and Analysis, William Rasdorf and Steven J. Fenves, CP80:June 80:102
Land Records: Costs, Issues and Requirements, James L. Clapp and Bernard J. Niemann, Jr., SU80: June 80:1
The Merging of Fuzzy and Crisp Information, Colin B. Brown, EM1:Feb 80:123:15201
Session VI—Changing Needs in Hydrologic Forecasting, William P. Henry, EFHYF:Mar 79:426
Using Design Specifications for Design, Neal M. Holtz and Steven J. Fenves, CP80:June 80:92

Information Centers
The National Cartographic Information Center an Assist in Finding Remotely Sensed Data, Alan R. Stevens, AS80:Aug 80:183

Information Retrieval
Computer Software for Grand Coulee Stabilization, David W. Harris, CP80:June 80:230
Current Structural Engineering Reference Sources, Sam Chan, ST2:Feb 80:519:15211
Impact of Education & Communication on Productivity, Bill W. Klotz, EI1:Jan 78:35:13464
Land Data Management System for Resource Planning, Stuart G. Walesh, Lois A. Kawatski and Paul J. Clavette, WR2:Nov 77:177:13323
The National Cartographic Information Center an Assist in Finding Remotely Sensed Data, Alan R. Stevens, AS80:Aug 80:183

Information Retrieval Effectiveness
Computer-Aided Design in the Corps, N. Radhakrishnan, CP80:June 80:571
Flood Plain Management Needs, G. R. Phippen, EFHYF:Mar 79:322
Planning For User Oriented Hydrologic Forecasts, L. Douglas James, EFHYF:Mar 79:101

Information Science
Data Bases for Information Management, William L. Howard, CP80:June 80:638

Information Seeking
NAWDEX — A Focal Point for Information About Water Data, Melvin D. Edwards, Preprint No.80-047, Apr 80, 8pp.

Information System Design
Alternative Approaches for Applying GIS Technology, Jack P. Dangermond and Lowell Kent Smith, SU80:June 80:97
A Comprehensive Application of A Geo-Based Information System on a Region in Colorado, Ronald L. Walters, SU80:June 80:71
A Geographic Information System for a Rural County, W. Kent Crowder, SU80:June 80:74

Information Systems
Application of MIS for Transportation Agencies, Neal X. Jones, CP80:June 80:379
C A D A E (Computer Aided Design & Engineering), Donald R. Johnston, SU80:June 80: 193
Coastal Mapping Handbook, James Collins, SU1:Nov 80:23:15814
Communication: Key to Productive Construction, Henry W. Parker, EI3:July 80:173:15553
Construction Cost Estimating in the Design Process, George S. Birrell, CO4:Dec 80:551:15880
Data Base Development at Maryland DOT, Dennis R. Atkins, CP80:June 80:363
Data Bases for Information Management, William L. Howard, CP80:June 80:638
Data Base Use for Regional Environmental Planning, Lyman F. Wible, TE5:Sept 80:559:15677
The Development of Multi-Purpose Land Information Systems: The Challenge for the Next Decade, John McLaughlin, SU80:June 80:245
Distributed Data Entry and Processing, Joseph P. Harrison, CP80:June 80:614
Evaluation and Inter-Governmental Relations in CZM, G. Kem Lowry, Jr. and Norman H. Okamura, CZ80:Nov 80:429
Geographic Information Systems, William E. Gates and Richard J. Heil, SU1:Nov 80:105:15826
Geographic Information Systems: The ODYSSEY Project, Eric Teicholz, SU1:Nov 80:119:15833
Hydromet Data Base for Forecasting and Operations, Vernon C. Bissell and Edward M. Davis, Preprint No.80-148, Apr 80, 27pp.
Japan as Number One (Book Review), CE:Oct 80: 104
Management System for Large Engineering Firm, W. Dennis Moran, William F. Sommerfeld and R. Timothy Heatwole, TC1:Aug 80:41:15616
Manpower Management - A Data Base Application, Edward W. Fishback, Jr., CP80:June 80:651
Organization and Control of Engineering Design Firms, Robert D. Logcher and Raymond E. Levitt, EI1:Jan 79:7:14302
Pitfalls of GSA-CMCS Software, Calin M. Popescu, CO1:Mar 79:95:14432
Policy Making: Pluralistic Simulation Model, Jonathan W. Bulkley, TC1:Aug 80:93:15602
Selected Areas of Aerospace Technical Applications to Civil Engineering, Allen F. Flanders, Chmn., TE3:May 79:223:14563
State of the Journal, Otis J. Sproul, Chmn., EE6:Dec 80:1013:15930
TNRIS Links Users to Water Related Data in Texas, David L. Ferguson, Preprint No.80-162, Apr 80, 12pp.
Track Maintenance: Management and Planning, Alfred E. Fazio, TE6:Nov 80:705:15810
Urban Geoprocessing: A Staged Development Concept, Stephen Kinzy, SU80:June 80:172

Information Theory
Entropy Constructed Probabilities, Colin B. Brown, EM4:Aug 80:633:15635
Hydrologic Networks: Information Transmission, William F. Caselton and Tahir Husain, WR2:July 80:503:15572

Infrared Analysis
Energy Loss Surveys Using Thermal IR Technology, Lewis E. Link, Jr., AS80:Aug 80:123
Thermographic Applications for Plant and Building Engineers, Henry H. Schmalz, AS80:Aug 80:131

Infrared Cameras
Remote Sensing and Mine Subsidence, Orville R. Russell, Roger V. Amato and Thomas V. Leshendok, TE2:Mar 79:185:14467

Infrared Detectors
Subsurface Coal Refuse Bank Fire Delineation, Ronald W. Stingelin, ASDC:80:268

Infrared Image Tubes
Remote Sensing for Tunnel Siting Studies, Orville R. Russell, Dennis T. Stanczuk and John R. Everett, TE5:Sept 80:523:15676

Infrared Photography
Aquatic Plant Mapping by Remote Sensing, Lewis E. Link, Jr. and K. S. Long, ASDC:80:34
Mini-Format Remote Sensing for Civil Engineering, Olin W. Mintzer and Dennis Spragg, TE6:Nov 78: 847:14154
Surface Temperature Mapping by NOAA-5 Satellite, Siamak Khorram and H. Gregory Smith, ASDC:80: 286

Infrared Scanners
Remote Sensing Sensors for Environmental Studies, B. Sen Mathur, TE4:July 79:439:14707
Water Temperature Mapping by Infrared Scanner, James B. Evans, AS80:Aug 80:118

Infrared Scanning
Energy Loss Surveys Using Thermal IR Technology, Lewis E. Link, Jr., ASDC:80:259
Water Temperature Mapping by Infrared Scanner, James B. Evans, AS80:Aug 80:118

Injection
Flow Visualization in Complex Turbulent Flows, Louis H.Y. Lee and Joseph A. Clark, HY2:Feb 80: 247:15209
Silicate-Stabilized Sands, G. Wayne Clough, William M. Kuck and Gyimah Kasali, GT1:Jan 79:65:14335

Injuries
Numerical Aid to Reduce Construction Injury Losses, Lawrence I. Knab, CO4:Dec 78:437:14213
Turnover, New Workers, and Safety, Jimmie Hinze, CO4:Dec 78:409:14209

Injury Rates
Supervisor-Worker Relationship Affects Injury Rate, Jimmie Hinze and Francine Gordon, CO3:Sept 79: 253:14848

Inlets (Waterways)
Inlet Stability Solutions for Tributary Inflow, Francis F. Escoffier and Todd L. Walton, Jr., WW4:Nov 79:355:14964
Littoral Drift and Erosion at Belle Pass, Louisiana, Elvin J. Dantin, Charles A. Whitehurst and Warren T. Durbin, WW4:Nov 78:375:14184
Long Wave Model Independent of Stability Criteria, Gary C. Niemeyer, WW1:Feb 79:51:14345
Offshore Water Intakes Designed to Protect Fish, Yusuf G. Mussalli, Edward P. Taft, III and Johannes Larsen, HY11:Nov 80:1885:15798
Power from Waves Using Harbor Resonators, William James, WW1:Feb 80:99:15210
Prototype Spillway Performance Verification, Clayton L. Anderson and Fred W. Blaisdell, HY6:June 79: 707:14639
Tidal Inlet Effects on Barrier Island Management, Duncan M. FitzGerald and Miles O. Hayes, CZ80: Nov 80:2355

Innovation
Allocation of Risks—C, R. K. McFarland, CRLS:Jan 79:II-64
Minimizing Risks and Mitigating Losses—B, Franklin T. Matthias, CRLS:Jan 79:II-133
Minimizing Risks and Mitigating Losses—D, John A. McWhorter, CRLS:Jan 79:II-158
Role of Innovative Engineering in Rail Operations, Donald O. Eiscle, MGC:July 80:138

Input
Adsptive Management Information System, Richard H. Long, James J. Kotanchik and Robert D. Logcher, TC1:Aug 80:129:15622

Input-Output Analysis
Utility Lifelines and Economic Activity in the Context of Earthquakes, Adam Zachary Rose, C080:80:107

In Situ Tests
Cone Penetration in Soil Profiling, Mohsen M. Baligh, Vitoon Vivatrat and Charles C. Ladd, GT4: Apr 80:447:15377
Field Studies of Airport Pavements on Expansive Clay, R. Gordon McKeen, SLS:June 80:242
In-Situ Volume-Change Properties by Electro-Osmosis - Theory, Sunirmal Banerjee and James K. Mitchell, GT4:Apr 80:347:15370
In-Situ Volume-Change Properties by Electro-Osmosis—Evaluation, James K. Mitchell and Sunirmal Banerjee, GT4:Apr 80:367:15371
Instruments for Laboratory and In Situ Measurement of the Lateral Swelling Pressure of Expansive Clays, Z. Ofer, SLS:June 80:45
Site Studies, Coastal/Geotechnical Aspects, Ralph H. Cross, George B. Tirey and Jin H. Kim, PO80:May 80:429
Testing Concrete in Place, Michael J. Bartos, Jr., CE: Oct 79:66

Inspection
Ambient Vibration Survey of Offshore Platform, Sheldon Rubin, EM3:June 80:425:15458
Computer Applications Bridge Inventory and Inspection Program, Avanti C. Shroff, CP80:June 80:471
Construction Equipment Downtime Costs, V. Pathmanathan, TN: CO4:Dec 80:604:15870
Construction QA/QC Systems: Comparative Analysis, Jack H. Willenbrock and Scott Shepard, CO3:Sept 80:371:15669
Contour Furrowing as a Range Management Practice, Earl L. Neff and J. Ross Wight, IRKB:July 80:827
Design and Construction of Long-Span Metal Culverts, Ernest T. Selig, John F. Abel, Fred H. Kulhawy and William E. Falby, CE:Mar 79:68
Direct Liability — Field Errors, Stephen B. Quinn, Preprint No.80-523, Oct 80, 6pp.
The Effect of Contract Type on Inspector Liability, Lawrence J. Green, Preprint No.80553, Oct 80, 8pp.
Evaluation of Bridge Overloads, Kenneth R. White and John Minor, TE1:Jan 79:15:14279
Impact of Inspector's Experience on Liability, Merlin D. Kirschenman, Preprint No.80-514, Oct 80, 14pp.
Inspecting Dam Construction, Wendell E. Johnson, CE:Nov 80:50
Liability Implications for Low Volume Rural Highways, Melvin B. Larsen, TE6:Nov 80:803: 15844
Physical Inspection of Three Ocean Disposal Sites, Thomas L. Heinecke, Preprint No.80-019, Apr 80, 20pp.
A Practical Intergovernmental Coordination Program, Morgan R. Rees, CZ80:Nov 80:1984
RCRA Implementation and the Environmental Engineer's Role, John Lynch, EE80:July 80:199
Role of Innovative Engineering in Rail Operations, Donald O. Eisele, MGC:July 80:138
Safety Aspects of the Bridge Reconstruction and Rehabilitation Program, Rex C. Leathers, HW80: Mar 80:165
Sea Cliff Erosion in Southern California, Louis J. Lee, CZ80:Nov 80:1919
Specifying Pipeline Construction, Milton J. Hecker, TE4:July 79:361:14699
Structural Details and Bridge Performance, William G. Byers, ST7:July 79:1393:14678
A Systematic Approach to Landfill Evaluation, D. Randy Junkins and Michael H. Corbin, EE80:July 80:50
Transportation Planners Join Battle for Cleaner Air, Ann E. Seltz-Petrash, CE:Nov 79:84
What Can be Done to Boost the Efficiency of the Civil Engineering Profession?, CE:Oct 80:91

Inspection Effectiveness
Inspecting Dam Construction, Wendell E. Johnson, CE:Nov 80:50

Inspection Frequency
Inspecting Dam Construction, Wendell E. Johnson, CE:Nov 80:50

Installation
Installation and Assembly Method to be Utilized in Assembly of the Tokamak Fusion Test Reactor, Neil E. Young, Preprint No.80-610, Oct 80, 12pp.

Installation Costs
Inspecting Dam Construction, Wendell E. Johnson, CE:Nov 80:50

Institutional Constraints
Crop Response Information for Water Institutions, Gary D. Lynne and Roy R. Carriker, IR3:Sept 79: 221:14814
Marine Sanctuary Institutional Analysis, Brian J. O'Sullivan, CZ80:Nov 80:1979
Political Aspects of Urban Stormwater Management, Levi A. Brown, WR1:Mar 80:265:15268

Institutions
The Role of Institutions in the Achievement of Water Resource Project-Related Development, Larkin Warner, Preprint No.80-653, Oct 80, 12pp.

Instruction
The Personalized System of Instruction: Death Knell for the Lecture?, CE:Mar 79:73

Instructions
Computer Assisted Instruction in Civil Engineering, Harold Goldstein, Preprint No.80-074, Apr 80, 22pp.

Instructors
The Personalized System of Instruction: Death Knell for the Lecture?, CE:Mar 79:73

Instrumentation
An Agricultural Instrumentation System for Optimal Use of Irrigation Water, Peter J. Prossen, Preprint No.80-130, Apr 80, 21pp.
Applications of Advanced Airborne Reconnaissance Instrumentation Systems (Abstract), Robert C. Sheets, MGC:July 80:364
Collapsible-Bag Suspended-Sediment Sampler, Herbert H. Stevens, Jr., Gale A. Lutz and David W. Hubbell, TN: HY4:Apr 80:611:15305
Construction on Expansive Rock, K. L. Logani, SLS: June 80:496
Cross-Hole and Down-Hole V_s by Mechanical Impulse, Bruce Auld, GT12:Dec 77:1381:13397
Measurement of Soil Thermal Resistivity, James K. Mitchell and Tsung C. Kao, GT10:Oct 78:1307: 14080
Minicomputers in Full-Scale Structural Testing, Suresh G. Pinjarkar and Otto C. Guedelhoefer, TC1:Apr 79:103:14497
Modification of Older Automated Samplers, Fred A. Koehler, Ed P. Harris and Frank J. Humenik, TN: EE3:June 80:655:15447
Modifications and Thermal Corrections for Stress and Displacement Instrumentation — Stripa, Sweden, M. Board, P. Nelson, T. Schrauf, A. Dubois, R. Lingle and H. Pratt, Preprint No.80-167, Apr 80, 18pp.
Monitoring Large Structures by Precise Survey, Kenneth D. Robertson, ASDC:80:277
Observations of Strong Motion from Earthquakes, Ralph B. Matthiesen, Preprint No.80-092, Apr 80, 22pp.

Uplift Testing of Model Drilled Shafts in Sand, Fred H. Kulhawy, David W. Kozera and James L. Withiam, GT1:Jan 79:31:14301

Insulation
Earthquake Response of Buried Insulated Pipes, Aly Hindy and Milos Novak, EM6:Dec 80:1135:15886
Energy Loss Surveys Using Thermal IR Technology, Lewis E. Link, Jr., ASDC:80:259
The Zero-Energy House: The Bold Low-Cost Breakthrough that may Revolutionize Housing, Eugene E. Dallaire, CE:May 80:47

Insurance
Allocating Risk and Incentive in Construction, Raymond E. Levitt, David B. Ashley and Robert D. Logcher, CO3:Sept 80:297:15710
Allocation of Risks — A, William S. Alldredge, CRLS:Jan 79:I-39
Allocation of Risks—C, R. K. McFarland, CRLS:Jan 79:II-64
Coordinated Insurance for Major Construction Projects, David B. Ashley, CO3:Sept 80:307:15697
Engineers and the Professional Corporation, William S. Feiler, EI3:July 80:219:15543
Executive Summary, W. Stell Huie, CRLS:Jan 79:II-1
Flood Insurance Program: Regional Agency's Perspective, Stuart G. Walesh, WR2:Sept 79:243:14826
Minimizing Risks and Mitigating Losses — B, David G. Hammond, CRLS:Jan 79:I-133
Minimizing Risks and Mitigating Losses—A, William Cullen, CRLS:Jan 79:II-127
Minimizing Risks/Mitigating Losses, V. Wallace Ryland, CRLS:Jan 79:I-145
A Quantitative Method for Analyzing the Allocation of Risks in Underground Construction, Raymond E. Levitt, CRLS:Jan 79:II-201
Recommended Endorsement and Comments on NSPE/ACEC 1910-8 (1978) General Conditions, Robert D. Rowland, Chmn., CO2:June 79:157:14641
Structural Failure, Neal FitzSimons, TC1:Aug 80:141:15625

Insurance Rates
Coordinated Insurance for Major Construction Projects, David B. Ashley, CO3:Sept 80:307:15697

Intakes
Application of a Consistent Vortex Scaling Law, Eugene Chang, HYCO:Aug 80:272

Intake Structures
Application of a Consistent Vortex Scaling Law, Eugene Chang, HYCO:Aug 80:272
Fire Rehab in the Bend Municipal Watershed, Bruce P. McCammon and Dallas Hughes, IRKB:July 80:252
Thermal Discharge Investigation, Yung Y. Shen and Richard S. McGinnis, HYCO:Aug 80:13

Integral Equations
Boundary Solutions to Two Problems in Porous Media, Philip La-Fan Liu and James A. Liggett, HY3:Mar 79:171:14419

Integrals
Integral Equation Method for linear Water Waves, James R. Salmon, Philip La-Fan Liu and James A. Liggett, HY12:Dec 80:1995:15932

Interactions
Algorithms for Interactive Structural Analysis, Yehonathan Hazony and Lawrence E. Zeidner, CP80:June 80:257
Behavioral Study of Circular Tubular Beam-Columns, Donald R. Sherman, Hacik Erzurumlu and Wendelin H. Mueller, ST6:June 79:1055:14627
Bending and Torsion Interaction of Box Girders, Conrad P. Heins and Robert S. Humphreys, ST5:May 79:891:14587
Dynamic Analysis of Equipment-Structure Systems, Jerome L. Sackman and Armen Der Kiureghian, EM81:Jan 81:731
Interactive Graphics and the Uniform Bean in Engineering Education, David F. Rogers, David Chalmers and J. D. Richardson, CP80:June 80:436
Interactive Nonstructural Flood-Control Planning, David T. Ford, CP80:June 80:331
An Interactive Software System for Competency and Project Oriented Civil Engineering Education, A. Fattah Chalabi, CP80:June 80:406
Longshore Currents with Wave Current Interaction, Robert A. Dalrymple, TN: WW3:Aug 80:414:15592
MOVIE.BYU—A Computer Graphics Software System, Henry N. Christiansen and Michael B. Stephenson, TC1:Apr 79:3:14484
New Interaction Equation for Steel Beam-Columns, Francois Cheong-Siat-Moy, ST5:May 80:1047:15422
Post-Buckling Behavior under Mode Interaction, Antonio J. Reis and John Roorda, EM4:Aug 79:609:14744
A Predictive Model of Hurricane Wind-Waves, Rodney J. Sobey and Ian R. Young, HYCO:Aug 80:333
Railway-Bridge Impact: Simplified Train and Bridge Model, Kuang-Han Chu, Vijay K. Garg and Chaman L. Dhar, ST9:Sept 79:1823:14855
Stability of Lattice Structures Under Combined Loads, Siegfried M. Holzer, Raymond H. Plaut, Arnold E. Somers, Jr. and Willis S. White, III, EM2:Apr 80:289:15322
Standard Prestressed Concrete Beam Design, David S. Hatcher, ST1:Jan 80:23:15106
Study of Pipe with Concrete Bedding—Part III, Harvey C. Olander and James W. Davidson, TE6:Nov 80:631:15838
Transient Analysis of Light Equipment in Structures, Jerome L. Sackman and J. M. Kelly, EM81:Jan 81:723
Use of "CORPS" for Hydraulic Design, Bobby J. Brown and John J. Ingram, HYCO:Aug 80:240

Inter-Agency Cooperation
Conflict Resolution: Lessons from Grays Harbor, Nan Evans, CZ80:Nov 80:776
Interagency Permit Review Lessons of Experience, Joseph S. LeGath and Robert L. Lippson, CZ80:Nov 80:1638
Intergovernmental Corrdination in North Carolina, Hubert Glenn T. Dunn and Charles W. Hollis, CZ80:Nov 80:2027
Port Permitting Problems, Marcia Kenney, CZ80:Nov 80:791
A Practical Intergovernmental Coordination Program, Morgan R. Rees, CZ80:Nov 80:1984
Spoil Islands: Determining How Local Governments Can Manage Them, Mark L. Gumula and R. Grant Gilmore, CZ80:Nov 80:2236
Striking the Balance in Energy Project Siting, Richard A. Du Bey, Cheryl R. Koshuta and Daniel I. Steinborn, CZ80:Nov 80:2135
Water Planning and the Environment: 1776-1976, Leonard Ortolano, WR1:Mar 79:65:14413
Wetlands Reviews — A Californa Experience, Hugh Converse and Jill Shapiro, CZ80:Nov 80:1829

Interchanges
Highway History: Modern Turnpike Era Recounted, Charles M. Noble, CE:Feb 79:73
Intermodal Transportation Garage Facility, Alfred J. Pacelli, TE4:July 80:401:15540

Interconnected Systems
ICPRB and Washington Metro Water Management, Daniel P. Sheer and Faul W. Eastman, WR1:Mar 80:303:15283

Interfaces
The Cracking and Fracture of Mortar, Sidney Mindess and Sidney Diamond, FIC:Oct 80:15
Experiments on Arrested Saline Wedge, John P. Grubert, HY6:June 80:945:15484

Mechanical-Structural Interface in Building Design, Tseng-Yao Sun, ST3:Mar 79:539:14447

Interfacial Tension
Booms Used for Oil Slick Control, Y. Lam Lau and James R. Moir, EE2:Apr 79:369:14530
Interfacial Stability in Channel Flow, Richard H. French, HY8:Aug 79:955:14768

Internal Combustion Engines
Transportation and the 1977 Clean Air Act Amendments — Conference Summary, Edward C. Sullivan, CAAA:Nov 79:1

Internal Forces
Use of Electrical Analogs as a Design Tool for Tidal Canals, Robert M. Snyder, Bent A. Christensen and Raymond Walton, HYUS:June 80:119

Internal Friction
Safety against Slip in Inclined Base of Slope Toes, Josef Brauns, TN: GT10:Oct 80:1158:15724

International Commissions
Organizations Involved In Weather Modification, Conrad G. Keyes, Jr., IRKA:July 80:97
UN Water Conference: Scope for Transfer of Knowledge in Its Action Plan, Habte Mariam Neghassi, WR1:Mar 80:351:15249

International Compacts
Multimillion-Acre Tea Bag, George Svenson, CE:Feb 80:47
U.S.-Canadian Agreement on East Coast Fisheries, Sang-Myon Rhee, CZ80:Nov 80:345

International Factors
Current Structural Engineering Reference Sources, Sam Chan, ST2:Feb 80:519:15211

International Waters
Water: A Perspective on Global Issues and Politics, Asit K. Biswas, WR2:Sept 79:205:14815

Interpolation
Constitutive Relations and Solution Schemes in Plastic Analysis, Subhash C. Anand, EM1:Feb 80: 21:15188

Intersections
The AAP: A Package of Arterial Analysis Programs, Gary Euler, Ken Courage and Steve Shapiro, CP80: June 80:560
Amelioration of Roadside Obstacle Crashes, Paul H. Wright and Leon S. Robertson, TE6:Nov 79:609: 14974
Simulation Program for Signalized Intersection, James E. Clark, TC1:Apr 79:163:14537

Interstate Commissions
The Salinity Forum: What? How? Why?, Daniel F. Lawrence and Barry C. Saunders, Preprint No.80-139, Apr 80, 10pp.

Interurban Travel
Comparison of Cost Functions in Modal-Split Models, John R. Underwood and Gerald R. Leake, TE6:Nov 77:763:13343

Intervening Opportunities Models
Analyzing Environmental Time Series, Francoise D'Astous and Keith William Hipel, EE5:Oct 79: 979:14881

Intrusion
Pore Distribution and Permeability of Silty Clays, Ignacio Garcia-Bengochea, Charles William Lovell and Adolph G. Altschaeffl, GT7:July 79:839:14686

Inventories
Application of Landsat to the Inventory of Dams, Andrew R. Blystra and Raymond R. Dumas, AS80: Aug 80:54
Atlantic Coast Ecological Inventory, 1980, J. Albert Sherk, Jr. and Larry R. Shanks, CZ80:Nov 80:206
Computer Applications Bridge Inventory and Inspection Program, Avanti C. Shroff, CP80:June 80:471
Inventories, Surveys and Historic Preservation, Paul John Hartman, Preprint No.80674, Oct 80, 6pp.
Locating Reservoirs with Landsat: "A Texas Example", E. Charles Palmer, Samuel D. McCulloch and A. E. Richardson, ASDC:80:11
National Wetlands Inventory Project, Bill O. Wilen and Rudolf Nyc, CZ80:Nov 80:1847
Safety Aspects of the Bridge Reconstruction and Rehabilitation Program, Rex C. Leathers, HW80: Mar 80:165
Science and Plans: California's Wetlands, Christopher P. Onuf, CZ80:Nov 80:1858
Urban Geoprocessing: A Staged Development Concept, Stephen Kinzy, SU80:June 80:172

Inversions (Temperature)
Selection of Air-Quality Models, A. L. Wilson and T. A. Peters, TC1:Apr 79:113:14494

Inverted Filters
How about Reverse Filters, Chesley J. Posey, CE:Apr 80:78

Investment Return Analysis
Lifeline Seismic Risk: Decisions Under Uncertainty, Irving J. Oppenheim, C080:80:218

Investments
Advanced Waste Treatment Investments, George K. Young, EE4:Aug 80:681:15597
Computer Aided Design and the Corps of Engineers, Seymour Schneider, CP80:June 80:627
Do Federal Grants Distort a City's Capital Investment Priorities?, Eugene E. Dallaire, CE:Oct 79:79
Improving Highway Investment Programming Methods, Lance A. Neumann, TE5:Sept 80:599: 15692
Low-Investment Access to LANDSAT Digital Analysis, Roger G. Anderson and Elaine I. Marinello, CP80:June 80:37
Mexican Pacific Coast Airport System, Rodolofo Felix Valdes, Francisco J. Jauffred and Jesus Acosta Flores, MGC:July 80:378
Pavement Rehabilitation: Identifying the Need, Michael I. Darter and Mohamed Y. Shahin, TE1: Jan 80:1:15135
Population and Economic Data in Transit Analysis, Katrin Parker-Simon and Robert E. Paaswell, UP1: Nov 80:43:15827
The San Diego Light Rail Story, John A. Coil, MGC: July 80:301
Technical Aspects of Marine Terminal Simulation, P. E. Thompson and T. M. Davis, PO80:May 80:256
A Transportation System Optimization Model, Paul M. Schonfeld, CP80:June 80:530
Urban Transportation: Outlook and Policy, Milton Pikarsky, UT79A:July 79:35
User-Oriented Programming, Christian Meyer, CP80: June 80:58

Ion Adsorption
Water Defluoridation with Activated Alumina, Yeun C. Wu and Anan Nitya, EE2:Apr 79:357:14544

Ion Exchange
Alternatives for Reducing Nitrate in Municipal Supplies at McFarland, Calif., Gerald A. Guter and Ernest Kartinen, Jr., EE80:July 80:520
Ground-Water Pollution by Septic Tank Drainfields, Foppe B. DeWalle and Russell M. Schaff, EE3:June 80:631:15496
Metals Removal from Wastewater Sludges with Liquid-Ion Exchange, David A. Cornwell and Gary C. Cline, EE80:July 80:540
Occurence of Organic Compounds and Removal by AWT Processes, Kip Kuchon, EE80:July 80:612

Removal of Soluble Secondary-Effluent Organics, Stephen J. Randtke and Perry L. McCarty, EE4: Aug 79:727:14763

Iowa
Ames and the Environment, Robert A. Olexsey, Preprint No.80-151, Apr 80, 20pp.
Continuing Education in Engineering—What's New?, Kneeland A. Godfrey, Jr., CE:Feb 80:68
The Des Moines Skywalk System, C. Todd Heglund, Preprint No.80-557, Oct 80, 14pp.
Management; Continuing Education; Minority Business Enterprise, CE:Jan 80:95
Professional Development in Iowa: 1979 Surveys, Robert D. Reckert, Preprint No.80-002, Apr 80, 13pp.
Professional Development in Iowa: 1979 Surveys, Robert D. Reckert, EI4:Oct 80:365:15765

Iraq
Expanded Polystyrene Spheres as Evaporation Suppressors, Tariq A. Mahmoud and Natiq K. Bashi, IR3:Sept 80:163:15689

Ireland
Gravel Barrier Genesis and Management: A Contrast, R. W.G. Carter and J. D. Orford, CZ80: Nov 80:1304

Iron
Estuarine Sediments: Successional Model, Kenneth J. Williamson and David A. Bella, EE4:Aug 80:695: 15595

Iron Compounds
Product Case Histories: What Stands Out?, Philip V. Di Vietro, CE:Aug 79:76

Iron Sulfides
Simulation of Sulfur Cycle in Estuarine Sediments, David A. Bella and Kenneth J. Williamson, EE1: Feb 80:125:15174

Irrigation
Air Chambers for Irrigation Systems, George E. Conant and Dorsey E. Jaspar, TE2:Mar 79:141: 14451
Coal for Irrigation Pump Power, Robert S. Hulsman, Preprint No.80-035, Apr 80, 15pp.
Competition of Energy for Agricultural Water Use, A. Bruce Bishop and Rangesan Narayanan, IR3: Sept 79:317:14838
Crop-Water Production Functions in Economic Analysis, Harry Ayer, Paul Hoyt and Melvin L. Cotner, IRKA:July 80:336
Designing for Deficit Irrigation, Marshall J. English and G. S. Nuss, IRKA:July 80:312
Developing Agricultural Best Management Practices, Gaylord V. Skogerboe, Wynn R. Walker and Robert G. Evans, IRKA:July 80:298
Developing Optimal River Basin Solutions for Alleviating Environmental Impacts from Irrigated Agriculture, Wynn R. Walker and Gaylord V. Skogerboe, IRKA:July 80:228
Drain Construction on The Columbia Basin Project, Richard Jack Christopher and Keith Campbell, IRKA:July 80:280
Effluent Irrigation at Lubbock, Texas, Robert M. Sweazy, Heyward R. Ramsey, III and George A. Whetstone, EE80:July 80:357
Effluent Irrigation of Coastal Bermuda Grass, Allen R. Overman, EE1:Feb 79:55:14359
Energy and Costs for Agricultural Reuse of Wastewater, R. S. Sletten, Sherwood C. Reed and Eddie J. Middlebrooks, EE80:July 80:339
Evaluation of Land Treatment of Wastewater in California, John R. Thornton and James D. Goff, EE80:July 80:106
Evaporation Basin Study at Boundary Bend, D. M. Ife, ASDC:80:144
Groundwater Recharge: Economic Benefit Quantified, Lonnie D. Schardt, IRKB:July 80:129
Hydrogeology of a Shallow Till Under Irrigation, M. James Hendry, IRKA:July 80:21
The Impact of Irrigation on Ground Water Quality, David L. Carter, IRKA:July 80:13
Inaccuracies in the Characteristics Method, E. Benjamin Wylie, HYCO:Aug 80:165
Irrigation Management for River-Salinity Control, J. Paul Riley and Jerome J. Jurinak, IR4:Dec 79:419: 15023
Irrigation of Cotton with Saline Drainage Water, James D. Rhoades, Stephen L. Rawlins and C. J. Phene, Preprint No.80-119, Apr 80, 20pp.
Irrigation Prospects in Bendel State of Nigeria, Paul A.C. Okwuobi, IR1:Mar 79:99:14459
Plan Better Irrigation Systems With IMS Techniques, Gordon LyFord and Monte McVay, IRKA:July 80: 243
The Pretreatment of Clay Soils for Road Construction, D. H. van der Merwe, F. Hugo and A. P. Steyn, SLS:June 80:361
Problems in Applying Optimal Irrigation Plans, Charles E. Brockway and Richard G. Allen, WR1: Mar 80:255:15277
Production Functions for Tomatoes as Affected by Irrigation and Row Spacing, W. O. Pruitt, A. A. Kamgar, D. W. Henderson and Robert M. Hagan, IRKA:July 80:346
Rational Design of Overland Flow Systems, C. James Martel, Donald Dean Adrian, Thomas F. Jenkins and Robert E. Peters, EE80:July 80:114
Remotely Sensed Crop Temperatures and Reflectances as Inputs to Irrigation Scheduling, R. D. Jackson, S. B. Idso, R. J. Reginato and P. J. Pinter, Jr., IRKA:July 80:390
Research Needs in Hydraulics, Coastal Engineering and Irrigation, CE:Apr 80:83
Response of Cotton to Brackish Irrigation Water (Abstract), Stephen L. Rawlins and James D. Rhoades, IRKA:July 80:197
Reuse Alternatives in the Los Angeles Basin, Brian L. Ramaley, Gordon P. Treweek, Frank A. Grant and E. Wiley Horne, EE80:July 80:207
Reuse of Power Plant Effluent for Crop Production, W. A. Jury, Jr., H. J. Vaux and L. H. Stolzy, IRKA:July 80:188
Sediment Removal With Vegetal Filters, Clarence W. Robison and Charles E. Brockway, IRKA:July 80: 422
Service-Wide Earthwork — A Software Team Effort, Gordon J. Serpa and Duane W. Chamot, CP80: June 80:357
Small Scale Hydropower in the West, Michael J. McLatchy, IRKA:July 80:374
Spray Application of Wastewater Effluent in a Cold Climate: Performance Evaluation of a Full-Scale Plant, E. Allan Cassell, Donald W. Meals, J. R. Bouzoun, C. James Martel and Wallace A. Bronson, EE80:July 80:620
Streamflow Network in The Province of Alberta, 1980, Hans Ryckborst, IRKA:July 80:63
Tile Drainage of Irrigated Till Soils in Alberta, B. A. Paterson and D. Brook Harker, IRKA:July 80:263
Urbanizing Irrigated Valleys for Optimum Water Use, Herman Bouwer, UP1:Jan 79:41:14281
Using High Salinity Waters in the Southwest, John R. Erickson, IRKA:July 80:198
Water for the Valley of the Sun, William W. Reedy, WR2:July 80:477:15544

Irrigation Districts
Economical Pipe Sizing for Irrigation Systems, Leo A. Kinney, Jr. and Michael R. Moncrief, IRKA: July 80:445

Irrigation Efficiency
Effect of Sediment on Advance Rates and Intake Rates, C. Dean Yonts, Walter L. Trimmer, Robert J. Edling and John Borrelli, IRKA:July 80:429
Explicit Sprinkler Irrigation Uniformity: Efficiency Model, Wynn R. Walker, IR2:June 79:129:14608
Irrigation Performance: An Evaluation, William E. Hart, Gideon Peri and Gaylord V. Skogerboe, IR3: Sept 79:275:14827

Production Functions for Tomatoes as Affected by Irrigation and Row Spacing, W. O. Pruitt, A. A. Kamgar, D. W. Henderson and Robert M. Hagan, IRKA:July 80:346
Reducing Salt Pickup from Irrigated Lands, Wynn R. Walker, Gaylord V. Skogerboe and Robert G. Evans, IR1:Mar 79:1:14454

Irrigation Engineering
Border-Irrigation Hydraulics with Zero Inertia, Theodor Strelkoff and Nikolaos D. Katopodes, IR3: Sept 77:325:13189
Dimensionless Solutions of Border-Irrigation Advance, Nikolaos D. Katopodes and Theodor Strelkoff, IR4:Dec 77:401:13400
Mathematical Model of Border Irrigation, David W. Fonken, Thomas Carmody, Emmett M. Laursen and Delmar D. Fangmeier, IR3:Sept 80:203:15694

Irrigation Pipes
Computerized Irrigation Pipe Network Design, Jack Keller and Gary Z. Watters, Preprint No.80-091, Apr 80, 21pp.
Recent Designs of Inlet Systems for Irrigation Pipelines, Karl D. Larson, IRKA:July 80:291

Irrigation Practices
Comparison of Sprinkler Uniformity Models, Ronald L. Elliott, James D. Nelson, Jim C. Loftis and William E. Hart, IR4:Dec 80:321:15913
Determining Impact of Irrigation on Ground Water, Irfan A. Khan, IR4:Dec 80:331:15927
Evapotranspiration under Depleting Soil Moisture, Wiboon Boonyatharokul and Wynn R. Walker, IR4: Dec 79:391:15018
Hydroclimatology—A Needed Cross-Discipline, Ronald F. Kilmartin, EFHYF:Mar 79:160
Irrigation Management for River-Salinity Control, J. Paul Riley and Jerome J. Jurinak, IR4:Dec 79:419: 15023

Irrigation Programs
Hydroclimatology—A Needed Cross-Discipline, Ronald F. Kilmartin, EFHYF:Mar 79:160

Irrigation Systems
Analysis of Closed Conduit Irrigation System and Its Subdivision, David Karmeli and Gideon Oron, IR2: June 79:187:14612
Computation of Recession and Runoff Integral, J. Mohan Reddy, TN: IR4:Dec 80:367:15873
Computer Design of Microirrigation Pipe Systems, Roland P. Perold, IR4:Dec 79:403:15060
Conserving Energy with Low-Pressure Center Pivots, James R. Gilley and Lloyd B. Mielke, IR1:Mar 80: 49:15292
Designing for Deficit Irrigation, Marshall J. English and G. S. Nuss, IRKA:July 80:312
Drip Irrigation Design Equations, Victor A. Gillespie, Allan L. Phillips and I-Pai Wu, IR3:Sept 79:247: 14819
Economical Pipe Sizing for Irrigation Systems, Leo A. Kinney, Jr. and Michael R. Moncrief, IRKA: July 80:445
Hydraulics of Microtube Emitters, Krishanlal C. Khatri, I-Pai Wu, Harris M. Gitlin and Allan L. Phillips, IR2:June 79:163:14613
Hydroclimatology—A Needed Cross-Discipline, Ronald F. Kilmartin, EFHYF:Mar 79:160
Improving the Utilization of Overseas Irrigation Systems, James M. Wolf and Francis E. Borcalli, IRKA:July 80:205
Small-Scale Hydro Plants in Irrigation Systems, Calvin C. Warnick, IRKA:July 80:216
Standards for Irrigation Efficiencies of ICID, Marinus G. Bos, IR1:Mar 79:37:14457
Uniformly Discharging Lateral Weirs, Amruthur S. Ramamurthy, Kanakati Subramanya and Luis Carballada, IR4:Dec 78:399:14252

Irrigation Water
An Agricultural Instrumentation System for Optimal Use of Irrigation Water, Peter J. Prossen, Preprint No.80-130, Apr 80, 21pp.
Estimating Irrigation Water Quantity and Quality, Otto J. Helweg and Desi Alvarez, IR3:Sept 80:175: 15712
Water and Salt Transfers in an Irrigation District, Martin Oosterveld and Jack M. Carefoot, IR2:June 79:197:14646

Islands
Air Transportation to Isolated Small Pacific Islands, Frank V. Hermann, MGC:July 80:22
Barrier Island Management, Stephen P. Leatherman, CZ80:Nov 80:1470
Barrier Island Sedimentation Studies Program, Edward Meisburger, Leita J. Hulmes, Edward B. Hands, S. Jeffress Williams, Craig H. Everts, Dennis A. Prins, Richard D. Hobson and Kenneth Finkelstein, CZ80:Nov 80:810
Hazard Mitigation on Barrier Island and Beaches, Dunesh C. Sharma, CZ80:Nov 80:1450
Human Influence on the Sediment Budget of a Barrier Island, Craig H. Everts, CZ80:Nov 80:863
Hurricane Impact at Dauphin Island, Alabama, Shea Penland, Dah Nummedal and William E. Schramm, CZ80:Nov 80:1425
Managing Barrier Islands: Role of Local Government, Kent S. Butler, Kathryn N. Nichols and Ray Quay, CZ80:Nov 80:2036
Perspectives on Erosion: Barrier Island Management, Ann C. Baker, CZ80:Nov 80:1
Recent Geologic History of a Barrier Island, Richard D. Hobson, Robert K. Schwartz and Frank R. Musialowski, CZ80:Nov 80:850
The Role of a State Geological Survey in Barrier Island Management: A Critical Link Between Research and Policy, Randall T. Kerhin, Kenneth N. Weaver and Jeffrey P. Halka, CZ80:Nov 80: 1289
Spoil Islands: Determining How Local Governments Can Manage Them, Mark L. Gumula and R. Grant Gilmore, CZ80:Nov 80:2236

Isotherms
Sensitivity of the Prych-Davis-Shirazi Model, Barry A. Benedict and John W. Preston, Jr., HYCO:Aug 80:322

Isotopes
Groundwater Response during Runoff Events, Michael G. Sklash and Robert N. Farvolden, IRKB: July 80:743

Israel
Contraflow Bus Priority Lane Performance: A Case Study, Abishai Polus and Joseph L. Schofer, TE3: May 79:297:14559
Environmental Effects of Water Reuse Scheme, Emanuel Idelovitch, EE3:June 80:561:15466

Italy
Foundation Performance of Tower of Pisa, James K. Mitchell, Vitoon Vivatrat and T. William Lambe, GT3:Mar 77:227:12814

Iteration
Accuracy Assessment for Finite Element Stress Analysis, Ergin Citipitioglu, CP80:June 80:246
Algorithms for Interactive Structural Analysis, Yehonathan Hazony and Lawrence E. Zeidner, CP80:June 80:257
Constitutive Relations and Solution Schemes in Plastic Analysis, Subhash C. Anand, EM1:Feb 80: 21:15188
Optimum Cable Configuration for Air-Supported Structures, David J. Malcolm and Peter G. Glockner, ST2:Feb 79:421:14381
Plastic Design under Combined Stresses, Donald E. Grierson and Ahmed A. Aly, EM4:Aug 80:585: 15606

Jacking
Jacked Pipe Provides Roof for Underground Construction in Busy Urban Area, G. Musso, CE: Nov 79:79

Pipe Jacking: State-of-the-Art, Clarence B. Drennon, CO3:Sept 79:217:14801
Top-to-Bottom Construction in High-Rise Buildings, Anthony van Zutphen, CE:Mar 79:65

Japan
Beam-to-Column Connection Research in Japan, Ben Kato, Preprint No.80-179, Apr 80, 24pp.
Construction Management in Japan, Boyd C. Paulson, Jr. and Tsuneo Aki, CO3:Sept 80:281:15670
Earth Pressure Balanced Shield Tunneling, Shigeo Kurosawa, Preprint No.80-664, Oct 80, 12pp.
Japan as Number One (Book Review), CE:Oct 80:104
The Japanese Travel Market, Kaysuya Nohara, MGC:July 80:28
Lifeline Earthquake Engineering in Japan, Keizaburo Kubo, Tsuneo Katayama and Massamitsu Ohashi, TC1:Apr 79:221:14548
Railroad Electrification in the Pacific Area, Willard D. Weiss, MGC:July 80:117
Research in Japanese Construction Industry, Boyd C. Paulson, Jr., CO1:Mar 80:1:15237
Some Wind Characteristics of Typhoons and Tatsumaki, Hatsuo Ishizaki, Preprint No.80-604, Oct 80, 7pp.
Tokyo's Dainikoro Underwater Tube-Tunnel, Boyd C. Paulson, Jr., CO4:Dec 80:489:15877
Two Approaches to Coastal Area Planning in Japan, Harvey A. Shapiro, CZ80:Nov 80:741

Jet Diffusion
Mixing of Buoyant Surface Jet over Sloping Bottom, Bijan Safaie, WW4:Nov 79:357:14954

Jets
Air Retained in Pool by Plunging Water Jet, Eamon J. McKeogh and Elsayed M. Elsawy, HY10:Oct 80:1577:15742
Bouyant Jet Behavior Near the Maximum Rise, Roger B. Wallace and Steven J. Wright, HYCO:Aug 80:356
Buoyant Surface Jet in Tidal Longshore Current, Eric J. Wolanski and Michael L. Banner, HY11:Nov 78:1505:14186
Erosion by Circular Wall Jets in Cross Flow, Nallamuthu Rajaratnam, HY11:Nov 80:1867:15842
Flow Visualization in Complex Turbulent Flows, Louis H.Y. Lee and Joseph A. Clark, HY2:Feb 80:247:15209
Horizontal Buoyant Jets in Quiescent Shallow Water, V. Balasubramanian and Subhash C. Jain, EE4:Aug 78:717:13943
Mixing of Buoyant Surface Jet over Sloping Bottom, Bijan Safaie, WW4:Nov 79:357:14954
Sensitivity of the Prych-Davis-Shirazi Model, Barry A. Benedict and John W. Preston, Jr., HYCO:Aug 80:322
Staged Multiport Diffusers, Charles W. Almquist and Keith D. Stolzenbach, HY2:Feb 80:285:15185
Submerged Horizontal Jet over Erodible Bed, S. S. Chatterjee and S. N. Ghosh, HY11:Nov 80:1765:15820
Turbulent Jets in Co-Flowing Streams, Pande B.B. Lal and Nallamuthu Rajaratnam, EM6:Dec 79:1025:15043
Two-Dimensional Buoyant Jets in Stratified Fluid, Steven J. Wright and Roger B. Wallace, HY11:Nov 79:1393:15003

Jetties
The Berthing of a Ship to a Jetty, H. L. Fontijn, WW2:May 80:239:15407
Fendering Requirements/Design Fender Impact Criteria, J. S. Balfour, J. C. Feben and D. L. Martin, PO80:May 80:504
Littoral Drift and Erosion at Belle Pass, Louisiana, Elvin J. Dantin, Charles A. Whitehurst and Warren T. Durbin, WW4:Nov 78:375:14184
Photobathymetry, James Collins, ASDC:80:82
The Role of a State Geological Survey in Barrier Island Management: A Critical Link Between Research and Policy, Randall T. Kerhin, Kenneth N. Weaver and Jeffrey P. Halka, CZ80:Nov 80:1289
Wave Tank Use In Small Boat Harbor Design, Newport News, Virginia, Christopher S. Welch, Evon Paul Ruzecki, Robert James Lukens and Ching Seng Fang, PO80:May 80:614

Jitneys
Paratransit in Developing Countries, Sigurd Grava, MGC:July 80:278

J. James Croes Medal
Earthquake Response of Offshore Platforms, Robert G. Bea, Jean M.E. Audibert and M. Radwan Akky, ST2:Feb 79:377:14386
Eccentrically Braced Steel Frames for Earthquakes, Charles W. Roeder and Egor P. Popov, ST3:Mar 78:391:13619

Job Analysis
Is Continuing Education Worth the Effort?, Albert J. Morris, EI2:Apr 79:107:14506
Recruiting in Underdeveloped Countries, Altaf Hussain, EI4:Oct 79:183:14878

Jointed Rock
Rough Cracks in Reinforced Concrete, Zdenek P. Bazant and Pietro Gambarova, ST4:Apr 80:819:15330

Joints
Friction Devices To Control Seismic Response, Cedric Marsh and Avtar S. Pall, EM81:Jan 81:809
Influence of Semi-Rigid Joints on Steel Column Behavior, Stephen W. Jones, Patrick A. Kirby and David A. Nethercot, Preprint No.80-179, Apr 80, 22pp.
Seismic Behavior of Beam-to-Column Moment Connections and Joints, Helmut Krawinkler and Egor P. Popov, Preprint No.80-179, Apr 80, 22pp.
Structural Analysis of Concrete Pavement Systems, Amir M. Tabatabaie and Ernest J. Barenberg, TE5:Sept 80:493:15671

Joints (Connections)
Analysis of Bolted Connections Subject to Prying, Henning Agerskov, ST11:Nov 77:2145:13352
A Survey of Investigations of Tubular Joints, Arthur N. Minas and William J. Graff, Preprint No.80-034, Apr 80, 18pp.
Uplift Pressures on Hollow Gravity Dams, Amrik S. Chawla and Natthi Mal, HY3:Mar 79:257:14464
Welded Connections in Round Bar Steel Structures, Henning Agerskov and Jorgen Bjornbak-Hansen, ST12:Dec 79:2707:15087

Joints (Junctions)
Column Base Plates with Axial Loads and Moments, John T. DeWolf and Edward F. Sarisley, ST11:Nov 80:2167:15823

Judicial Decisions
Miami Riot—Will a Phoenix Rise from Ashes?, CE:Aug 80:76

Jurisdiction
Preferential Acquisition of Development Rights, Steven J. Foute, UP1:May 78:41:13732

Kansas
Bring Traffic Engineering to Southwest Kansas, Roy C. Loutzenheiser, Preprint No.80-583, Oct 80, 13pp.

Kaolin
Containment of Heavy Metals with Natural Materials, Ronald E. Benson, Jr., EE80:July 80:69

Karl Emil Hilgard Hydraulic Prize
Shallow Wave Propagation in Open Channel Flow, Victor Miguel Ponce and Daryl B. Simons, HY12: Dec 77:1461:13392
Temporal Moments for Longitudinal Dispersion, Yuh Hua Tsai and Edward R. Holley, HY12:Dec 78: 1617:14266

Karst
Remote Sensing Study of Sinkhole Occurrence, Jay W. Casper, Byron E. Ruth and Janet D. Degner, AS80:Aug 80:1

Kinematics
Convergence Acceleration Method for Oceanic Cables, John W. Leonard, Preprint No.80-131, Apr 80, 22pp.
Converging Flow Model Applied to Urban Catchment, Franklin W. Ellis, Fred V. Ramsey and George M. Hornberger, HY9:Sept 80:1457:15711

Kinetics
Model for Design of Multicomponent Adsorption Systems, John C. Crittenden and Walter J. Weber, Jr., EE6:Dec 78:1175:14230
Modeling Toxicity in Methane Fermentation Systems, Gene F. Parkin and Richard E. Speece, EE80:July 80:288
New Approach to Bacterial Kinetics in Wastewater, Graham F. Andrews and Chi Tien, EE6:Dec 77: 1057:13418

Kurtosis
Flood Frequency Analysis by Power Transformation, Subhash Chander, S. K. Spolia and Arun Kumar, HY11:Nov 78:1495:14179

Labor
Estimating Masonry Wall and Column Costs, Clayford T. Grimm, CO4:Dec 77:627:13413

Laboratories
Laboratory Generated Waves and Wave Theories, Subrata K. Chakrabarti, WW3:Aug 80:349:15644
Research in Japanese Construction Industry, Boyd C. Paulson, Jr., CO1:Mar 80:1:15237

Laboratory Equipment
Shear Strength and Swelling of Clays Under Suction, Amos Komornik, Moshe Livneh and S. Smucha, SLS:June 80:206

Laboratory Tests
Activated Sludge Process Modification Study, Hraj A. Kharajian and Joseph H. Sherrard, EE2:Apr 79: 189:14527
Computer Applications in Geotechnical Engineering, M. S. Aggour, CP80:June 80:213
Cyclic and Static Laboratory Tests on Drammen Clay, Knut H. Andersen, Jacobus H. Pool, Stephen F. Brown and Wim F. Rosenbrand, GT5:May 80: 499:15434
Dynamic Shear Modulus of Treated Expansive Soils, Wing-Cheong Au and Yong S. Chae, GT3:Mar 80: 255:15287
Geology and Geotechnical Engineering, Robert F. Legget, GT3:Mar 79:339:14444
Instruments for Laboratory and In Situ Measurement of the Lateral Swelling Pressure of Expansive Clays, Z. Ofer, SLS:June 80:45
Integrated Port Design and Planning Process, Martin T. Czerniak, Arthur Rubinstein and J. Ian Collins, PO80:May 80:440
Measurement of Soil Thermal Resistivity, James K. Mitchell and Tsung C. Kao, GT10:Oct 78:1307: 14080
Paddle Generated Waves in Laboratory Channels, Reinhard E. Flick and Robert T. Guza, WW1:Feb 80:79:15175
Resilient Response of Two Frozen and Thawed Soils, Edwin J. Chamberlain, David M. Cole and Thaddeus C. Johnson, GT2:Feb 79:257:14398
Static and Dynamic Properties of Sand-Cement, Jean-Michel Dupas and Alain Pecker, GT3:Mar 79: 419:14425

Labor Relations
Cost Impacts of Prevailing Wage Laws in Construction, Raymond E. Levitt and Clinton C. Bourdon, CO4:Dec 79:281:15019
Labor Relations Considerations on PCM Projects, Russell J. Christesen and Clyde B. Tatum, Preprint No.80-174, Apr 80, 29pp.
Labor Relations Considerations on PCM Projects, Russell J. Christesen and Clyde B. Tatum, CO4: Dec 80:535:15920
Minimizing Risks and Mitigating Losses — A, G. S. Bates, CRLS:Jan 79:I-119
Minimizing Risks and Mitigating Losses — B, David G. Hammond, CRLS:Jan 79:I-133
Union Challenges to Methods Improvement Programs, H. Randolph Thomas, Jr. and Mason P. Holland, CO4:Dec 80:455:15876
Union Versus Nonunion Construction in the U.S., Raymond E. Levitt and Clinton C. Bourdon, CO4: Dec 79:289:15020
Workers as Managers Boost Productivity, Ann E. Seltz-Petrash, CE:Oct 80:121

Lagrangian Functions
Surface Dispersion in Wave Flume, Aysen Ergin, WW4:Nov 80:449:15854

Lakes
Cooling Impoundments: Classification and Analysis, Gerhard H. Jirka and Donald R.F. Harleman, EY2: Aug 79:291:14779
Forced Plumes in a Stratified Reservoir, Brian Henderson-Sellers, HY4:Apr 78:13658
Forecasting Lake Levels—A Case Study, Sivajogi D. Koppula, HYUS:June 80:280
Formulating Lake Models which Preserve Spectral Statistics, Christos Babajimopoulos and Keith W. Bedford, HY1:Jan 80:1:15137
Ground and Surface Water Interaction—Legal Aspects, William E. Kelly, WR1:Mar 80:55:15234
Highway Construction Impact on Water-Supply Lakes, Kok-Heng Tan and Dhandapani Thirumurthi, EE5:Oct 78:997:14052
Hydraulic Modeling of Mixing in Stratified Lakes, Peter M. Moretti and Dennis K. McLaughlin, HY4: Apr 77:367:12868
Impact of Vertical Scale Distortion on Turbulent Mixing in Physical Models, Benjamin R. Roberts and Robert L. Street, HYCO:Aug 80:261
Lake Process Models Applied to Reservoir Management, Wesley L. Bradford and David J. Maiero, EE5:Oct 78:981:14100
Microdroplets and Transport of Moisture from Ocean, Sung C. Ling, Timothy W. Kao and Alice I. Saad, EM6:Dec 80:1327:15923
Monitoring on Wilderness Water Quality, Gordon Snyder, IRKB:July 80:504
The Operational Use of Landsat for Lake Quality Assessment, Frank L. Scarpace and Lawrence T. Fisher, AS80:Aug 80:88
Predicting Eutrophication Impacts of Development, Myron S. Rosenberg, Robert A. Kimball and Robert P. Shubinski, IRKB:July 80:517
Stormwater and Lake Quality Management—Two Examples, Gregory E. Kamedulski and Richard F. Thomas, HYUS:June 80:303
Surface Water Inventory through Satellite Sensing, Srinivasan Thiruvengadachari, Pavuluri Subba Rao and Keshavamurthi Ramachandra Rao, WR2:July 80:493:15563
A Ten Year Improvement in Water Quality in a Major Okanagan Valley Lake as a Result of Municipal Wastewater Phosphorus Reduction, Agris Berzins, EE80:July 80:627
Thermal Predictions using Integral Energy Model, Dennis E. Ford and Heinz G. Stefan, HY1:Jan 80: 39:15119
Transient Analysis for Shallow Cooling Ponds, E. Eric Adams and Antonis D. Koussis, EY2:Oct 80: 141:15737

Verifying Lake Transport Models with Spectral Statistics, Keith W. Bedford and Christos Babajimopoulos, HY1:Jan 80:21:15138
Water Control Difficulties Through Flooded Lakes Systems, Donald John Blackmore, ASDC:80:69

Laminar Flow
Approximate Analysis of Unsteady Laminar Flow, David Stavitsky and Enzo Macagno, HY12:Dec 80: 1973:15922
Inception of Sediment Transport, Mehmet Selim Yalin and Emin Karahan, HY11:Nov 79:1433: 14975

Laminated Wood
Design and Construction of the Greenborough Footbridge, H. R. Carlin-Smith, MGC:July 80:290
Five-Story Timber Framed Building, Byron L. Nishkian, CE:Aug 80:48
Press-Lam Timbers for Exposed Structures, John A. Youngquist, David S. Gromala, Ronald W. Jokerst, Russell C. Moody and John L. Tschernitz, ST7:July 79:1405:14673
Radial Stresses in Curved Glulam Beams, Vijaya K.A. Gopu, ST11:Nov 80:2143:15797
Timber Trestle Carries Air Force Bombers, CE:Dec 80:56
Wood Beams Under Impact Load, Borislav D. Zakic, ST7:July 79:1489:14690

Laminates
Buckling of Antisymmetrically Laminate Cross-Ply and Angle-Ply Rectangular Plates, Sudhakar Sharma, N. G.R. Iyengar and P. N. Murthy, EM1: Feb 80:161:15208
Imperfectly Bonded Unsymmetric Laminated Beam, K. M. Rao and B. G. Ghosh, EM4:Aug 80:685: 15623

Laminating
Bending of Laminated Cantilever Beams with Interlayer Slip, Hiroyuki Suzuki and Tse-Yung P. Chang, ST2:Feb 79:269:14366
Moment Connections Weakened by Laminations, Bruce D. Macdonald, ST8:Aug 79:1605:14776

Land Acquisition
Access to Coastal Resources: The Access Concept Comes of Age, William W. Dreyfoos, CZ80:Nov 80:1719
Beach Access Problems, Programs and Progress, David J. Brower, CZ80:Nov 80:1697
Problems in New Tokyo Airport, Manabe Shigeto and Sakai Katsuyuki, MGC:July 80:46

Land Classification
Federal Roles and Responsibilities In a Modernized Land Data System, Bernard W. Hostrop, SU80: June 80:27
Planning and Engineering Requirements For A Land Data System, Gunther Greulich, SU80:June 80:42

Land Development
Access to Coastal Resources: The Access Concept Comes of Age, William W. Dreyfoos, CZ80:Nov 80:1719
Beachfront Restoration Using Water Quality Programs, Owen W. Bludau, CZ80:Nov 80:2342
Coastal Erosion in San Diego County, California, Gerald G. Kuhn and Francis P. Shephard, CZ80: Nov 80:1899
Coastal Erosion Management in Auatralia, David M. Chapman, CZ80:Nov 80:2218
The Coastal Land Development Process: Developer's Plights, Valinda Parker and Kent S. Butler, CZ80: Nov 80:1010
Delineation and Implementation of a Dune Management District, Paul A. Gares, Karl F. Nordstrom and Norbert P. Psuty, CZ80:Nov 80: 1269
Development of a North Sea Oil Terminal, Iain M. Robertson, CZ80:Nov 80:2066
A Geographic Information System for a Rural County, W. Kent Crowder, SU80:June 80:74
Geotechnical Engineering Data Systems, Joseph M. DeSalvo, SU80:June 80:165
Gravel Mining and Land Development Can Go Hand in Hand, Harold F. Bishop and Bruce E. Hanna, CE:Feb 79:65
Hurricane Impact at Dauphin Island, Alabama, Shea Penland, Dah Nummedal and William E. Schramm, CZ80:Nov 80:1425
Influence of Storm Type and Urbanization on Tidal Flooding, Armando Balloffet and Michael L. Scheffler, CZ80:Nov 80:2256
Legal Aspects of Coastal Natural Hazards Management, Richard G. Hildreth, CZ80:Nov 80: 1370
Legal Standard for Coastal Development Permission, Jonathan M. Davidson, CZ80:Nov 80:1341
Managing Barrier Islands: Role of Local Government, Kent S. Butler, Kathryn N. Nichols and Ray Quay, CZ80:Nov 80:2036
The New Jersey Coast: Going, Going, Gone?, Sheldon Abrams and D. W. Bennett, CZ80:Nov 80: 1497
Physical-Economic Evaluation of Tillage Systems, Daniel Taylor, Douglas Young and Donald McCool, IRKB:July 80:985
Planning and Engineering Requirements For A Land Data System, Gunther Greulich, SU80:June 80:42
Preserving Public Access: The Bay Experience, Nancy Wakeman Twiss, CZ80:Nov 80:1418
Pretreatment of Sewage for Heavy Metal Removals, Ju-Chang Huang and Patrick M. McCole, EE80: July 80:236
Providing Public Waterfront Access in Maryland, Kathy H. Fitzpatrick, Trisha A. Bednarz and Earl H. Bradley, Jr., CZ80:Nov 80:1406
Science and Plans: California's Wetlands, Christopher P. Onuf, CZ80:Nov 80:1858
South Padre Island Coastal Zone Management Study, W. G. Roeseler, CZ80:Nov 80:1645
Streamflow Network in The Province of Alberta, 1980, Hans Ryckborst, IRKA:July 80:63
Striking the Balance in Energy Project Siting, Richard A. Du Bey, Cheryl R. Koshuta and Daniel I. Steinborn, CZ80:Nov 80:2135
Structures in the Beach Zone: To Be or Not to Be, Neill E. Parker, Preprint No.80-648, Oct 80, 8pp.
Underground Travel of Renovated Wastewater, Robert C. Rice and Peter Raats, EE6:Dec 80:1079: 15912
Wetlands Regulations and Public Perceptions, Thomas M. Leschine and Stephen R. Cassella, CZ80:Nov 80:1789

Land Fill
Development of a Landfill Classification System, Michael U. Flanders, CP80:June 80:239
Landfill Management for Double Alkali Sulfur Dioxide Scrubber Sludge, Raymond J. Krizek, EY2: Aug 79:229:14742

Landfills
Containment of Heavy Metals with Natural Materials, Ronald E. Benson, Jr., EE80:July 80:69
Endangered Species Coordination for Los Angeles Harbor, Daniel Muslin and Charles H. Fisher, CZ80:Nov 80:891
The Impacts of the Resource Conservation and Recovery Act on Wood Fired Energy Systems, Hugh T. Carson and Dennis W. Weeter, EE80:July 80:508
Leachate Generation from a Sludge Disposal Area, Wayne A. Charlie, Richard E. Wardwell and Orlando B. Andersland, EE5:Oct 79:947:14884
Modeling Effects of Environmental Stresses due to Industrial Wastes on Gas Production by Landfill Sediments, S. Roychowdhury, L. Y. Young, D. Cox, J. Powers, J. Sharkey and M. Levandowsky, EE80:July 80:75
Municipal/Industrial Waste Landfill Simulators, James J. Walsh, Riley N. Kinman and Nancy S. Neely, EE80:July 80:62
Secure Land Burial of Hazardous Wastes: A State-of-the-Art Example, Robert D. Mutch, Jr., EE80:July 80:426

Landforms
Runoff Synthesis Using Landsat and SCS Model, Robert M. Ragan and Thomas J. Jackson, HY5: May 80:667:15387

Land Management
Barrier Island Management, Stephen P. Leatherman, CZ80:Nov 80:1470
Coastal Erosion Management in Auatralia, David M. Chapman, CZ80:Nov 80:2218
Coastal Program Evaluation From a State Perspective or Can an Amoeba Find True Happiness Under a Microscope?, William Travis, CZ80:Nov 80:451
The Columbia River Estuary Data Development Program, Gary Lawley, Robert J. Moulton and David H. Kent, CZ80:Nov 80:1159
Determining Instream-Flow Needs on Public Lands, Mike Whittington and Bruce Van Haveren, IRKA: July 80:36
The Development of Multi-Purpose Land Information Systems: The Challenge for the Next Decade, John McLaughlin, SU80:June 80:245
The East Everglades: Perservation Versus Land Use, Richard Collier, Jr., CZ80:Nov 80:2150
Effectiveness of Assessments of Coastal Management, Robert J. Reimold, CZ80:Nov 80:444
Evaluating Wetlands: Status and Needs, John J. Balco, CZ80:Nov 80:494
Gravel Barrier Genesis and Management: A Contrast, R. W.G. Carter and J. D. Orford, CZ80: Nov 80:1304
Is There Life Beyond Mitigation?, Robert M. Snyder, CZ80:Nov 80:470
Land Data Management System for Resource Planning, Stuart G. Walesh, Lois A. Kawatski and Paul J. Clavette, WR2:Nov 77:177:13323
Major Mapping Activities in the Coastal Zone, Peter F. Bermel, CZ80:Nov 80:2380
Management of Coastal Resources In Arctic Alaska, Gretchen Keiser and Wayne Pichon, CZ80:Nov 80: 1481
Mapping and Surveying Florida's Submerged Lands, George M. Cole, CZ80:Nov 80:549
The New Jersey Coast: Going, Going, Gone?, Sheldon Abrams and D. W. Bennett, CZ80:Nov 80: 1497
Perceiving the Unseen Value of Coastal Wetlands, James D. Sears, CZ80:Nov 80:484
The Role of a State Geological Survey in Barrier Island Management: A Critical Link Between Research and Policy, Randall T. Kerhin, Kenneth N. Weaver and Jeffrey P. Halka, CZ80:Nov 80: 1289
Scientific Collecting in South Florida: Problems with Permits, Eugene A. Shinn, CZ80:Nov 80:2017
Sitka Coastal Habitat Evaluation, Kimbal A. Sundberg, CZ80:Nov 80:514
South Fork Salmon River—Future Management, Gene F. Cole and Walter F. Megahan, IRKB:July 80:396
Spoil Islands: Determining How Local Governments Can Manage Them, Mark L. Gumula and R. Grant Gilmore, CZ80:Nov 80:2236
A Temperature Model for Small Mountain Streams, Shelley S. Ellis, Stanley L. Ponce and L. Eric Siverts, IRKB:July 80:494
Water Allocation and Management in the Southeast, David H. Howells, WR2:Sept 79:259:14837

Land Reclamation
Coal Mine Reclamation with Native Plants, Lee E. Eddleman, IRKB:July 80:80
A Design Model for Sediment Control on Mined Lands, Billy J. Barfield, L. G. Wells, B. Wilson, John S. Tapp and R. A. Uhl, IRKB:July 80:628
Effluent Irrigation at Lubbock, Texas, Robert M. Sweazy, Heyward R. Ramsey, III and George A. Whetstone, EE80:July 80:357
Energy and Costs for Agricultural Reuse of Wastewater, R. S. Sletten, Sherwood C. Reed and Eddie J. Middlebrooks, EE80:July 80:339
Engineering Planning of Dike and Polder Airports, Frank T. Wheby, TE3:May 80:245:15417
Establishing Cool-Season Grasses on Mine Spoils, Earl F. Aldon, David G. Scholl and Charles P. Pase, IRKB:July 80:91
Evaluation of Land Treatment of Wastewater in California, John R. Thornton and James D. Goff, EE80:July 80:106
Flood-Plain Management in Dallas, Tex.: 1908-1978, Monroe McCorkle and Albert H. Halff, HY2:Feb 79:125:14346
Gravel Mining and Land Development Can Go Hand in Hand, Harold F. Bishop and Bruce E. Hanna, CE:Feb 79:65
High Altitude Photos for Inactive Mines, Jan P. Berger and Warren R. Philipson, SU1:Nov 80:27: 15815
Highway Embankment Doubles as Dam, Shiwendra P. Singh, CE:Apr 79:80
Hydrologic Transport Model for Surface Mined Lands (Abstract), Mark E. Auernhamer, IRKB:July 80:911
Land Reclamation at Abandoned Deep Coal Mine, Michael Wilkey and Stanley Zellmer, EE5:Oct 79: 843:14877
Long-Term Impacts of Surface Mining on Streamflow, R. C. Sidle and H. A. Menser, IRKB: July 80:598
Phosphate Mine Dump Stability and Revegetation, Eugene E. Farmer and Bland Z. Richardson, IRKB: July 80:888
Predicting Sediment Yield from Strip-Mined Land, Martin M. Fogel, Louis H. Hekman, Jr. and Lucien Duckstein, IRKB:July 80:176
Predicting the Spatial Variation in Erosion, William O. Rasmussen, John L. Thames and Peter F. Ffolliott, IRKB:July 80:781
Reclamation of Abandoned Mine Site, James R. Johnson, EE3:June 79:597:14629
Regulations Complicate Land Reclamation in the West, Ann E. Seltz-Petrash, CE:Sept 80:85
Spray Application of Wastewater Effluent in a Cold Climate: Performance Evaluation of a Full-Scale Plant, E. Allan Cassell, Donald W. Meals, J. R. Bouzoun, C. James Martel and Wallace A. Bronson, EE80:July 80:620
State-Federal Relations Under the Surface Mining Control and Reclamation Act of 1977, William C. Ackerman, Preprint No.80-059, Apr 80, 18pp.
Tile Drainage of Irrigated Till Soils in Alberta, B. A. Paterson and D. Brock Harker, IRKA:July 80:263

Landsat
Application of Landsat to the Inventory of Dams, Andrew R. Blystra and Raymond R. Dumas, AS80: Aug 80:54
Commercial Satellites for Data Collection (Abstract), William G. Shope and Richard W. Paulson, MGC: July 80:362
Field Study for Landsat Water Quality Verification, Donald Steven Graham and J. M. Hill, AS80:Aug 80:101
Geographic Data Bases, Richard E. Cornish, CP80: June 80:660
Land Data Systems for Transport Planning in Undeveloped Areas, Andrew C. Lemer and Robert W. Felsburg, SU80:June 80:129
Landsat Data Use in Evaluating Nuclear Reactor Sites, Patrick J. Barosh, ASDC:80:383
Landsat for Engineering Geology, Gene O. Johnson, Preprint No.80-103, Apr 80, 6pp.
Landsat Image Processing and Mapping Techniques and Their Utility for Civil Engineering Applications (Abstract), Donald R. Morris-Jones and Mervyn B. Walsh, AS80:Aug 80:182
Landsat Imagery for Hydrologic Modeling?, Richard S. Taylor, Robert P. Shubinski and T. S. George, AS80:Aug 80:44
Locating Reservoirs with Landsat: "A Texas Example", E. Charles Palmer, Samuel D. McCulloch and A. E. Richardson, ASDC:80:11
Low-Investment Access to LANDSAT Digital Analysis, Roger G. Anderson and Elaine I. Marinello, CP80:June 80:37

The Operational Use of Landsat for Lake Quality Assessment, Frank L. Scarpace and Lawrence T. Fisher, AS80:Aug 80:88
Regional Geology of the Dartmouth Dam Site, F. Cox, ASDC:80:105
Remote Sensing that Motivated Community Action, Roland H. Brownlee, James P. Scherz and James M. Dennis, AS80:Aug 80:60
River Murray Flooding, D. T. Curry and D. J. Dole, ASDC:80:41
Satelite Imagery and Shoreline Erosion Prediction, Charles W. Welby, AS80:Aug 80:78
A Seismo-Tectonic Study of the Western Narmada Valley Using Landsat Imagery, S. N. Pandey, ASDC:80:171

Landscaping
Power Line Stresses Environmental Concern, Nelson W. Plummer, CE:Jan 80:86

Landscaping Effectiveness
Vail Pass Highway—Respecter of Mountain Ecology, CE:June 80:70

Landslides
Coastal Erosion in San Diego County, California, Gerald G. Kuhn and Francis P. Shephard, CZ80: Nov 80:1899
Computer Software for Grand Coulee Stabilization, David W. Harris, CP80:June 80:230
Hypothesis for Progressive Failure in a Marl, Spyros Cavounidis and Elias Sotiropoulos, GT6:June 80: 659:15505
Landslide in Claystone Derived Soil, Archie M. Richardson, GT7:July 79:857:14683
Offshore Platforms and Pipelines in Mississippi River Delta, Robert G. Bea and Jean M.E. Audibert, GT8:Aug 80:853:15645
Plasticity in Soil Mechanics and Landslides, Wai F. Chen, EM3:June 80:443:15460
Sea Cliff Erosion in Southern California, Louis J. Lee, CZ80:Nov 80:1919
Seismic Zonation in the San Francisco Bay Region, Earl E. Brabb, C080:80:54
Stability Analysis of Embankments and Slopes, Sarada K. Sarma, GT12:Dec 79:1511:15068

Land Surveys
Land Data Management System for Resource Planning, Stuart G. Walesh, Lois A. Kawatski and Paul J. Clavette, WR2:Nov 77:177:13323
Land Surveying Research Needs: The Next Decade, Roscoe B. Snedeker, SU1:Nov 79:85:14961
Professional Development in Iowa: 1979 Surveys, Robert D. Reckert, El4:Oct 80:365:15765
Retracement Surveys in the Pacific Northwest Coast Range, Gordon H. Long, Preprint No.80-070, Apr 80, 15pp.
Salinity Assessment at Kerang, W. Trewhella, ASDC: 80:206
Surveying and Mapping Research 1978-1988: An Overview, Morris M. Thompson, SU1:Nov 79:43: 14957
Water Control Difficulties Through Flooded Lakes Systems, Donald John Blackmore, ASDC:80:69

Land Titles
The Development of Multi-Purpose Land Information Systems: The Challenge for the Next Decade, John McLaughlin, SU80:June 80:245
Land Records Management In North Carolina, Donald P. Holloway and Ronald F. Scott, SU80: June 80:33
RMLR: What It Means to the Civil Engineer, Joel N. Orr, SU80:June 80:229

Land Usage
Case Study—Stream Deposition and Changing Land Use, Gary R. Dyhouse and David T. Williams, IRKB:July 80:215
Cation Transport in Packed Bed Reactor of Soil, Allen R. Overman, Brian R. McMahon, Rolan L. Chu and Flora C. Wang, EE2:Apr 80:267:15321
Computer Mapping in a Catchment Land Use Study, Kerry Michael Rosenthal, ASDC:80:224
The Development of Multi-Purpose Land Information Systems: The Challenge for the Next Decade, John McLaughlin, SU80:June 80:245
Effectiveness of Assessments of Coastal Management, Robert J. Reimold, CZ80:Nov 80:444
Evaluation of Land Treatment of Wastewater in California, John R. Thornton and James D. Goff, EE80:July 80:106
Geology of Delaware Barriers: Evironmental Planning, Kathleen Drew and John C. Kraft, CZ80: Nov 80:830
Ground-Water Quality at Rapid Infiltration Site, James V. Olson, Ronald W. Crites and Paul E. Levine, EE5:Oct 80:885:15768
Impact of Waste Diversion on Water Quality in Lakes, Paul L. Freedman and Raymond P. Canale, EE5:Oct 79:867:14885
Land Data Systems for Transport Planning in Undeveloped Areas, Andrew C. Lemer and Robert W. Felsburg, SU80:June 80:129
Land Records: Costs, Issues and Requirements, James L. Clapp and Bernard J. Niemann, Jr., SU80: June 80:1
Land Records Management In North Carolina, Donald P. Holloway and Ronald F. Scott, SU80: June 80:33
Land Surveying Research Needs: The Next Decade, Roscoe B. Snedeker, SU1:Nov 79:85:14961
Land Use and Water System Planning, A. Lee Cesario, SU80:June 80:153
Moreton Region Non-Urban Land Use Study, Robert Cormack, ASDC:80:233
Planning and Engineering Requirements For A Land Data System, Gunther Greulich, SU80:June 80:42
Saving the U.S's Rapidly Dwindling Farmland and Other Priceless Natural Resources, Eugene E. Dallaire, CE:Sept 80:81
Sewage Treatment Site Selection, Phillip Island, Victoria, R. W.G. Evans and O. J. Scroggie, ASDC: 80:140
Soil Chemistry Changes at Rapid Infiltration Site, Paul E. Levine, Ronald W. Crites and James V. Olson, EE5:Oct 80:869:15767
Urban Geoprocessing: A Staged Development Concept, Stephen Kinzy, SU80:June 80:172
Using Fiscal Models to Evaluate Land Plans — The Suburban Montgomery County Maryland Experience, Drew Dedrick, SU80:June 80:88
Visual Impacts of Port Development in Seattle, Iain M. Robertson and William G.E. Blair, CZ80:Nov 80:917

Land Usage Planning
Beachfront Restoration Using Water Quality Programs, Owen W. Bludau, CZ80:Nov 80:2342
Coastal Management Planning in Anchorage, Alaska, Anthony Burns, CZ80:Nov 80:1750
Current Practice In Managing Coastal Flood Hazards, Steven P. French and Raymond J. Burby, CZ80:Nov 80:1204
Drainage Density as Index of Watershed Development, Philip B. Bedient, Wayne C. Huber and James P. Heaney, IR4:Dec 78:373:14249
The East Everglades: Perservation Versus Land Use, Richard Collier, Jr., CZ80:Nov 80:2150
Hydrologic Considerations in Federal Coal Leasing, Bruce Van Haveren, IRKB:July 80:655
Influence of Storm Type and Urbanization on Tidal Flooding, Armando Balloffet and Michael L. Scheffler, CZ80:Nov 80:2256
Land-Use Planning: Grows More Exact with the Help of USGS, CE:Feb 79:84
Legal Aspects of Coastal Natural Hazards Management, Richard G. Hildreth, CZ80:Nov 80: 1370
Level-B Multiobjective Planning for Water and Land, Yacov Y. Haimes, Prasanta Das and Kai Sung, WR2:Sept 79:385:14859
Managing Coastal Dunes in South Australia, Peter W. Cullen and Eric C.F. Bird, CZ80:Nov 80:1252
National Wetlands Inventory Project, Bill O. Wilen and Rudolf Nyc, CZ80:Nov 80:1847

North Carolina Oil Refineries—Who Makes Decision?, Anne Taylor, CZ80:Nov 80:1045
Path Clearcuts to Manage Snow in Lodgepole Pine, Howard L. Gary, IRKB:July 80:335
South Fork Salmon River—Future Management, Gene F. Cole and Walter F. Megahan, IRKB:July 80:396
Timber Harvest and Water Yields in the Ozarks, Carl D. Settergren, R. Michael Nugent and Gary S. Henderson, IRKB:July 80:661
Trinidad: A Solution for Coastal Land-Use Conflict, Steele Wotkyns, CZ80:Nov 80:1518

Land Usage Regulations

Land-Use Planning: Grows More Exact with the Help of USGS, CE:Feb 79:84

Land Use

Access is the Opium of the Planner, Wallace Kaufman, CZ80:Nov 80:119
Applicability of Joint Development Tools in Detroit, Kenneth S. Opiela, Snehamay Khasnabis and Ronald G. Arbogast, UP1:Nov 80:71:15861
Applicability of Space Acquired Data for Water Resources Management, Vincent V. Salomonson, V. Ralph Algazi and Donald R. Wiesnet, EFHYF:Mar 79:125
Areawide Soil Loss Predictions Using CIR Airphotos, Ken M. Morgan and Randolph Nalepa, AS80:Aug 80:24
Atlantic City Gambles on Transportation, Walter Cherwony, Donna K. Silverman and Frank A. Zabawski, Preprint No.80-565, Oct 80, 12pp.
Atlantic Coast Ecological Inventory, 1980, J. Albert Sherk, Jr. and Larry R. Shanks, CZ80:Nov 80:206
Barrier Beach Protection in Massachusetts, Stanley M. Humphries and Jeffrey R. Benoit, CZ80:Nov 80:1809
Beach Access Problems, Programs and Progress, David J. Brower, CZ80:Nov 80:1697
Beachfront Restoration Using Water Quality Programs, Owen W. Bludau, CZ80:Nov 80:2342
Calgary's Computer Mapping & Geographic Referencing, R. G. Conway and E. Bert Piepgrass, SU80:June 80:59
Calibration and Application of a Watershed Planning Model, Robert D. Looper, HYUS:June 80:152
Case Study—Stream Deposition and Changing Land Use, Gary R. Dyhouse and David T. Williams, IRKB:July 80:215
Citizens and Project Design: Management Team, John F. Metzger and David C. Colony, UP1:Nov 80:59:15855
Coastal Development at Nile Mediterranean Outlets, Ismail Mobarek and Joel M. Goodman, CZ80:Nov 80:724
Coastal Erosion in San Diego County, California, Gerald G. Kuhn and Francis P. Shephard, CZ80: Nov 80:1899
Coastal Erosion Management in Auatralia, David M. Chapman, CZ80:Nov 80:2218
The Coastal Land Development Process: Developer's Plights, Valinda Parker and Kent S. Butler, CZ80: Nov 80:1010
Coastal Management Planning in Anchorage, Alaska, Anthony Burns, CZ80:Nov 80:1750
Coastal Management Policy Emphasis in an Urban National Recreation Area, Herbert S. Cables and John T. Tanacredi, CZ80:Nov 80:213
Coastal Siting of Hazardous Waterfront Facilities, Paul C. Golden, CZ80:Nov 80:562
Coastal Zone Intergration of State and Local Plans, Lowdon Wingo and James Fawcett, CZ80:Nov 80: 2052
The Columbia River Estuary Data Development Program, Gary Lawley, Robert J. Moulton and David H. Kent, CZ80:Nov 80:1159
Community Programming in Newer Industrial Nations, Vernon E. Swanson, UP1:Jan 79:1:14280
Computer Mapping in a Catchment Land Use Study, Kerry Michael Rosenthal, ASDC:80:224
Current Practice In Managing Coastal Flood Hazards, Steven P. French and Raymond J. Burby, CZ80:Nov 80:1204
Delineation and Implementation of a Dune Management District, Paul A. Gares, Karl F. Nordstrom and Norbert P. Psuty, CZ80:Nov 80: 1269
Detention Storage for Urban Flood Control, David P. Smith, Jr. and Philip B. Bedient, WR2:July 80:413: 15555
The Development of Multi-Purpose Land Information Systems: The Challenge for the Next Decade, John McLaughlin, SU80:June 80:245
Dynamic Water Quality Modeling in Southeast Florida, R. Uwe Jettmar, George K. Young, Armando I. Perez and Robert Oros, EE1:Feb 80: 105:15173
The East Everglades: Perservation Versus Land Use, Richard Collier, Jr., CZ80:Nov 80:2150
Effectiveness of Assessments of Coastal Management, Robert J. Reimold, CZ80:Nov 80:444
Effluent Irrigation at Different Frequencies, Allen R. Overman, EE3:June 79:535:14626
Elkhorn Slough: The Making of an Estuarine Sanctuary, Nona B. Dennis, Bruce Browning and Hal Bissell, CZ80:Nov 80:1939
Energy Analysis for Environmental Impact Assesament, Flora C. Wang, Howard T. Odum and Patrick C. Kangas, WR2:July 80:451:15558
Energy Criteria for Water Use, Flora C. Wang, Howard T. Odum and Robert Costanza, WR1:Mar 80:185:15266
Environmental Models for Screening Land-Use Plans, Michael H. Shapiro and Peter R. Rogers, UP2:Nov 79:151:14949
Evaluating Hydrologic Responses to Forest Activities, Charles C. Avery and Malchus B. Baker, Jr., IRKB:July 80:485
Evaluating Wetlands: Status and Needs, John J. Balco, CZ80:Nov 80:494
Freedom and Environmental Quality, P. Walton Purdom, EI3:July 77:211:13057
Geology of Delaware Barriers: Evironmental Planning, Kathleen Drew and John C. Kraft, CZ80: Nov 80:830
Geomorphic Study of Upper Mississippi River, Yung Hai Chen and Daryl B. Simons, WW3:Aug 79:313: 14778
Honolulu International Airport Master Plan Study, Donald Maddison, MGC:July 80:65
Hydrologic Considerations in Federal Coal Leasing, Bruce Van Haveren, IRKB:July 80:655
Hydrologic Simulation of the Effects of Forest Removal, D. S. Chanasyk and Jacobus P. Verschuren, IRKB:July 80:452
Improved Watershed Management using Remote Sensing, Albert Rango, IRKB:July 80:1019
Influence of Storm Type and Urbanization on Tidal Flooding, Armando Balloffet and Michael L. Scheffler, CZ80:Nov 80:2256
Integration of Air Quality and Transportation Planning, Norman L. Cooper and John O. Hidinger, CAAA:Nov 79:56
Land Data Management System for Resource Planning, Stuart G. Walesh, Lois A. Kawatski and Paul J. Clavette, WR2:Nov 77:177:13323
Land Reclamation at Abandoned Deep Coal Mine, Michael Wilkey and Stanley Zellmer, EE5:Oct 79: 843:14877
Landsat Image Processing and Mapping Techniques and Their Utility for Civil Engineering Applications (Abstract), Donald R. Morris-Jones and Mervyn B. Walsh, AS80:Aug 80:182
Land Use and Water System Planning, A. Lee Cesario, SU80:June 80:153
Land-Use Planning: Grows More Exact with the Help of USGS, CE:Feb 79:84
Legal Aspects of Coastal Natural Hazards Management, Richard G. Hildreth, CZ80:Nov 80: 1370
Major Mapping Activities in the Coastal Zone, Peter F. Bermel, CZ80:Nov 80:2380
Managing Coastal Dunes in South Australia, Peter W. Cullen and Eric C.F. Bird, CZ80:Nov 80:1252
Managing Shore Development in British Columbia, W. Bruce Morgan and Jonathan P. Secter, CZ80: Nov 80:715

Measuring Preferences for Natural Landscapes, John A. Dearinger, UP1:Jan 79:63:14308
Methane Migration Around Sanitary Landfills, Charles A. Moore, Iqbal S. Rai and Ayad A. Alzaydi, GT2:Feb 79:131:14372
Mitigating Runoff Pollution Into South Shore Bays of Long Island, New York, Kevin J. Phillips, Vito Minei, Thomas Maher and Philip A. Haderer, HYUS:June 80:228
Modeling Channel Processes with Changing Land Use, Leonard J. Lane and George R. Foster, IRKB: July 80:200
Moreton Region Non-Urban Land Use Study, Robert Cormack, ASDC:80:233
Multiobjective Modeling for OCS Pipeline Systems, David Engberg, Jared Cohon and Charles ReVelle, CZ80:Nov 80:684
National Growth Trends, Robert B. Seaman, UP1: Nov 80:29:15824
National Wetlands Inventory Project, Bill O. Wilen and Rudolf Nyc, CZ80:Nov 80:1847
A New Manual on Map Uses, Scales, and Accuracies, Carl B. Feldscher, SU1:Nov 80:143: 15853
New York: Water City, Ann E. Seltz-Petrash, CE: June 79:83
Nitrogen Yields and Land Use in Southern Streams, Mingteh Chang, Jack D. McCullough and Frank A. Roth, II, IRKB:July 80:951
Nonpoint Pollution from Agricultural Watersheds, James A. Ayars, John C. Inman and Gwendolyn McClung, IRKB:July 80:974
North Carolina Oil Refineries—Who Makes Decision?, Anne Taylor, CZ80:Nov 80:1045
Nuclear Facilities Siting, Paul Kruger, EE3:June 79: 443:14615
Optimizing Joint Development at Transit Stations, Ronald G. Arbogast, Snehamay Khasnabis and Kenneth S. Opiela, TE5:Sept 80:539:15709
Path Clearcuts to Manage Snow in Lodgepole Pine, Howard L. Gary, IRKB:July 80:335
Perceiving the Unseen Value of Coastal Wetlands, James D. Sears, CZ80:Nov 80:484
Planning Implications of Outer Ring Road, Robin T. Underwood, UP1:Nov 80:19:15828
A Planning Procedure for the East Everglades, Narendra Juneja, CZ80:Nov 80:1574
Pollutant Concentrations form Homogenous Land Uses, Irwin Polls and Richard Lanyon, EE1:Feb 80: 69:15169
Population and Economic Data in Transit Analysis, Katrin Parker-Simon and Robert E. Paaswell, UP1: Nov 80:43:15827
Problems Facing Alaska Outer Continental Shelf Resource Development, Robert J. Brock, Raymond R. Emerson and Gordon M. Euler, CZ80:Nov 80: 1112
Quality in a Florida 1", 2" and 3" Stream System, Charles M. Courtney, HYUS:June 80:359
Reducing Salinity of Surface Runoff from Rangeland, R. Gordon Bentley, Eric B. Janes and Keith O. Eggleston, IRKB:July 80:69
Residential Site Planning and Perceived Densities, Peter G. Flachsbart, UP2:Nov 79:103:14948
Response to a Changing Coastal Environment, Kenneth C. Caldwell, CZ80:Nov 80:1228
Saving the U.S's Rapidly Dwindling Farmland and Other Priceless Natural Resources, Eugene E. Dallaire, CE:Sept 80:81
Science and Plans: California's Wetlands, Christopher P. Onuf, CZ80:Nov 80:1858
Sewage Treatment Site Selection, Phillip Island, Victoria, R. W.G. Evans and O. J. Scroggie, ASDC: 80:140
Shore Protection Decisions for Sandy Hook, Donald A. Falvey and William J. Funge, CZ80:Nov 80: 2322
Sitka Coastal Habitat Evaluation, Kimbal A. Sundberg, CZ80:Nov 80:514
Solar Access and Sun Rights, David C. Moore, UP1: Nov 80:11:15822
South Fork Salmon River—Future Management, Gene F. Cole and Walter F. Megahan, IRKB:July 80:396
Spoil Islands: Determining How Local Governments Can Manage Them, Mark L. Gumula and R. Grant Gilmore, CZ80:Nov 80:2236
Storm Drainage and the Building Community, David E. Johnson, Preprint No.80-512, Oct 80, 9pp.
Stormwater Runoff Modeling of a Planned Community, Kevin J. Smolenyak, HYUS:June 80: 378
Sunset Cliffs Stabilization San Diego, California, Louis J. Lee and Walter Crampton, CZ80:Nov 80: 2271
Transport Planning on Both Sides of the Pacific, Robert S. Nielson, MGC:July 80:248
Trinidad: A Solution for Coastal Land-Use Conflict, Steele Wotkyns, CZ80:Nov 80:1518
Unpredicted Rapid Erosion, Tybee Island, Georgia, Frank H. Posey, Jr. and F. Wade Seyle, Jr., CZ80: Nov 80:1869
Urban Geoprocessing: A Staged Development Concept, Stephen Kinzy, SU80:June 80:172
Urban Riverfront Expansion, D. B. Robbins, J. M. Armstrong, C. L. Kureth, Jr., D. V. Pratt and T. V. Dobson, CZ80:Nov 80:236
Urban Runoff Pollution and Water Quality Planning, William Whipple, Jr., TC1:Aug 80:101:15632
Use of a Simplified Surface Runoff Model, William G. Smith, HYUS:June 80:173
The Use of B&W and C.I.R. Photography at M.D.O.T., Robert R. Green, AS80:Aug 80:140
Use of Physical Data for Estimating Sediment Yield, Ronnie D. Clark, IRKB:July 80:836
Visual Impacts of Port Development in Seattle, Iain M. Robertson and William G.E. Blair, CZ80:Nov 80:917
Voter Reaction to Multiple-Use Drainage Projects, Thomas N. Debo and James T. Williams, WR2:Sept 79:295:14843
Washington's Automated Coastal Data Base: The Coastal Zone Atlas, Sue Wenke and Marc Horton, CZ80:Nov 80:2291
Watershed Management in Action on the Boise Front, Clifton W. Johnson, Glen M. Secrist, Gerald C. Scholten and Robert J. Baum, IRKB:July 80:998
Wetlands Regulations and Public Perceptions, Thomas M. Leschine and Stephen R. Cassella, CZ80:Nov 80:1789
Whither Satellite Remote Sensing—II?, Kneeland A. Godfrey, Jr., CE:Apr 80:63

Land Use Zoning

Environmental Model of Kissimmee River Basin, Philip B. Bedient, Wayne C. Huber and James P. Heaney, WR2:Nov 77:241:13326

Lane Usage

Modifying Freeway Geometrics to Increase Capacity, William R. McCasland, TE6:Nov 80:787:15860

Lane Width

Modifying Freeway Geometrics to Increase Capacity, William R. McCasland, TE6:Nov 80:787:15860

Large Structures

Development And Use Of Force Pulse Train Generators, Frederick B. Safford and Sami F. Masri, EM81:Jan 81:72

Lasers

Airborne Laser Acquisition of Cross-Section Data, John G. Collins and William B. Krabill, AS80:Aug 80:175
Monitoring of Dam Movements Using Laser Light, Don Slobodnik and Edward F. Roof, TE6:Nov 80: 829:15850

Lateral Force

Limit Analysis of Flat-Slab Buildings for Lateral Loads, Hans Gesund and Harinatha B. Goli, ST11: Nov 79:2187:14981

Lateral Forces

Construction Methods in Tunneling under a Railroad, Marcello H. Soto, CO3:Sept 77:317:13180

Laterally Loaded Flexible Diaphragm Buildings, Avigdor V. Rutenberg, TN: ST9:Sept 80:1969: 15667

Lateral Loads (Piles)
The Behavior of Steel Rocket Shaped Pile, Peter Y. Lee and Lawrence W. Gilbert, GTDF:80:253
Equivalent Frame Analysis for Lateral Loads, M. Daniel Vanderbilt, ST10:Oct 79:1981:14931
Group Factors for Pile-Deflection Estimation, Harry G. Poulos, GT12:Dec 79:1489:15032
Pile Cap Soil Interaction from Full-Scale Lateral Load Tests, Jai B. Kim, Lakshman P. Singh and Robert J. Brungraber, GT5:May 79:643:14571
Static and Dynamic Laterally Loaded Floating Piles, Roger L. Kuhlemeyer, GT2:Feb 79:289:14394

Lateral Pressure
Approximate Stiffness Analysis of High-Rise Buildings, Ali A.K. Haris, ST4:Apr 78:681:13700
Earthquake-Induced Lateral Soil Pressures on Structures, Hagop N. Nazarian and Asadour H. Hadjian, GT9:Sept 79:1049:14805
Field Studies of Airport Pavements on Expansive Clay, R. Gordon McKeen, SLS:June 80:242
Frame-Wall Systems with Rigidly Jointed Link Beams, Amiya K. Basu and Ashok K. Nagpal, ST5: May 80:1175:15426
In Situ Tests by Flat Dilatometer, Silvano Marchetti, GT3:Mar 80:299:15290
Lateral Load Tests on Drilled Piers in Stiff Clays, Kul Bhushan, Steven C. Haley and Patrick T. Fong, GT8:Aug 79:969:14789
Lateral Pressure Development Under Surcharges, R. P. Joshi and R. K. Katti, SLS:June 80:227
Prebuckling Rotations and Cylinder Buckling Analysis, Don O. Brush, EM2:Apr 80:225:15332
Steel Plate Shear Walls Resist Lateral Load, Cut Costs, Richard G. Troy and Ralph M. Richard, CE: Feb 79:53

Laterals
Drip Irrigation Design Equations, Victor A. Gillespie, Allan L. Phillips and I-Pai Wu, IR3:Sept 79:247: 14819

Lateral Stability
Secondary Deflections and Lateral Stability of Beams, Walter L. Warnick and William H. Walston, EM6:Dec 80:1307:15924

Lattice Design
Stability of Lattice Structures Under Combined Loads, Siegfried M. Holzer, Raymond H. Plaut, Arnold E. Somers, Jr. and Willis S. White, III, EM2:Apr 80:289:15322

Launching
Approximate Launch Analysis of Offshore Platforms, Bruce G. Wade and Lee King-Hin, Preprint No.80-588, Oct 80, 10pp.

Launching Pads
Coming This Year: Reusable Link with Space, CE: July 79:58

Law (Jurisprudence)
Complex Problems with Separate Contracts System, Richard P. Maher, CO2:June 79:129:14614
Engineering and Legal Professions: Interaction Needed, Alphonse E. Zanoni, EI1:Jan 79:21:14309
Engineers on the Witness Stand: Guidelines for Expert Testimony, John Huston, CE:Feb 79:82

Laws
Report on Improving Construction Arbitrations, John W. Nichols, Chmn., CO1:Mar 79:1:14414

Layered Soils
Bearing Capacity of Footings on Layered C-Φ Soils, B. Satyanarayana and R. K. Garg, TN: GT7:July 80:819:15578
Drain Depth and Subirrigation in Layered Soils, Yau K. Tang and R. Wayne Skaggs, IR2:June 80:113: 15457
Rain Infiltration into Layered Soils: Prediction, Ahmed Y. Hachum and Jose F. Alfaro, IR4:Dec 80:311:15905
Strength Anisotropy of Layered Soil System, M. Krishna Murthy, T. S. Nagaraj and A. Sridharan, TN: GT10:Oct 80:1143:15724

Layered Systems
Impedance Functions of Piles in Layered Media, Milos Novak and Fakhry Aboul-Ella, EM3:June 78: 643:13847

Layout
Damsite Works Layout and Access Road Location, Keith A. Murley, ASDC:80:114
Human Orientation in Transportation Terminals, John P. Braaksma and W. Jordan Cook, TE2:Mar 80:189:15274
James Powerhouses—Layout and Design Criteria, Klaus R. Ludwig and Richard T. Olive, EY2:Oct 80:235:15771
Soap Films, Steiner Trees and Water Systems, Chan F. Lam and Pramod R. Bhave, HYCO:Aug 80:221

Leaching
Analysis of Landfills with Historic Airphotos, Thomas L. Erb, Warren R. Philipson, William L. Teng and Ta Liang, AS80:Aug 80:15
Case Study of a Hazardous Waste Disposal Facility, David E. Murray, EE80:July 80:433
Development of a Landfill Classification System, Michael U. Flanders, CP80:June 80:239
Entrenchment of Sewage Sludge—a Disposal-Use Alternative, L. J. Sikora and D. Colacicco, CE:Apr 80:80
Environmental Considerations for Fly Ash Disposal, Thomas L. Theis and Jerry J. Marley, EY1:Jan 79: 47:14286
The Impact of Irrigation on Ground Water Quality, David L. Carter, IRKA:July 80:13
Indirect Techniques for Investigating Hazardous Waste Burial Sites, Richard C. Dorrler, EE80:July 80:576
Land Disposal of Coal Gasification Residue, William J. Boegly, Jr., Henry W. Wilson, Jr., Chester W. Francis and E. C. Davis, EY2:Oct 80:179:15757
Landfill Management with Moisture Control, James O. Leckie, John G. Pacey and Constantine Halvadakis, EE2:Apr 79:337:14533
Leachate Generation from a Sludge Disposal Area, Wayne A. Charlie, Richard E. Wardwell and Orlando B. Andersland, EE5:Oct 79:947:14884
Leachate Recycle as Landfill Management Option, Frederick G. Pohland, EE6:Dec 80:1057:15899
Leachates from Solid Waste Recovery Operations, A. Douglas Rademaker and James C. Young, Preprint No.80-040, Apr 80, 22pp.
Leach Characteristics of Coal-Gasification Char, Richard G. Luthy, Pantelis Vassiliou and Mark J. Carter, EE1:Feb 80:81:15171
Optimal Seasonal Irrigation Application Analysis, William E. Hart, Donald I. Norum and Gideon Peri, IR3:Sept 80:221:15687
Soil and Vegetation Covers for Reducing Leachates from Landfills, Damodar S. Airan, George H. Snyder and David Strasberg, Preprint No.80-652, Oct 80, 13pp.
Trenching of Digested Sludge, L. J. Sikora, N. H. Frankos, C. M. Murray and J. M. Walker, EE2:Apr 80:351:15310
Using High Salinity Waters in the Southwest, John R. Erickson, IRKA:July 80:198

Lead
Water Pollution from Snow Removal Operations, Bruce W. Pierstorff and Paul L. Bishop, EE2:Apr 80:377:15331

Lead Azides
Disposal of Hazardous Toxic Munition Waste, Irving Forsten, EE80:July 80:440

Leakage
Cracking, Leakage, and Erosion of Earth Dam Materials, Erik I. Hjeldnes and Bhagwat V.K. Lavania, GT2:Feb 80:117:15220

Learning Curve
Construction Productivity Factors, Altaf Hussain, EI4:Oct 79:189:14879
Recruiting in Underdeveloped Countries, Altaf Hussain, EI4:Oct 79:183:14878

Leasing
Hydrologic Considerations in Federal Coal Leasing, Bruce Van Haveren, IRKB:July 80:655
Phosphate Mining in Southeast Idaho, Edward B. Connors, IRKB:July 80:867
The #53 Working Group: Local Participation in the Federal OCS Leasing Process, Ceila Lawren, CZ80: Nov 80:1087

Least Squares Method
Least Squares Estimates of BOD Parameters, Thomas O. Barnwell, Jr., TN: EE6:Dec 80:1197:15869
Modal Parameter Estimation For A Highrise Building Using Ambient Response Data Taken During Construction, M. Meyyappa, H. Palsson and J. I. Craig, EM81:Jan 81:141
Virtual Work Adjustment of Trilateration Nets, Naguib F. Danial, SU1:Nov 79:67:14955

Legal Aspects
Allocation of Risks—A, M. G. Johnson, CRLS:Jan 79:II-53
Complex Problems with Separate Contracts System, Richard P. Maher, CO2:June 79:129:14614
Identification and Nature of Risks—A, W. Stell Huie, CRLS:Jan 79:II-15
Legal Aspects of Coastal Natural Hazards Management, Richard G. Hildreth, CZ80:Nov 80: 1370
Let's Look at Some Legal Implications of Streamflow Forecasting, Thomas M. Stetson, EFHYF:Mar 79: 312
Session VI—Changing Needs in Hydrologic Forecasting, William P. Henry, EFHYF:Mar 79:426
Water Use For Electric Power Generation, David M. Snyder, K. T. Mao and Robert D. Glynn, Jr., EFHYF:Mar 79:400
Weather Modification Operations: The Legal Considerations, Ray Jay Davis, IRKA:July 80:77

Legal Factors
Responding to the Challenges of Engineering Practice, Adolph J. Ackerman, EI2:Apr 80:137: 15374
Risk and Liability: The Owner's View, Max W. Strauss, CRLS:Jan 79:I-25

Legislation
Access is the Opium of the Planner, Wallace Kaufman, CZ80:Nov 80:119
Archeological Resources, Planning, and Construction, Are Tsirk, CO1:Mar 79:79:14439
Boating: Challenged by Coastal Regulations, Susan H. Anderson, CZ80:Nov 80:104
Can Engineers Save the Republic?, Victor V. Veysey, EI2:Apr 80:123:15344
Comments, Tim Lynch, CAAA:Nov 79:407
Contractual Arrangements—D, Sammie D. Guy, CRLS:Jan 79:II-108
Designation of All Public Rights of Way to the Tidal Areas of Rhode Island, Joseph F. Turco, CZ80:Nov 80:1386
The Development of Multi-Purpose Land Information Systems: The Challenge for the Next Decade, John McLaughlin, SU80:June 80:245
Federal Roles and Responsibilities In a Modernized Land Data System, Bernard W. Hostrop, SU80: June 80:27
Ground and Surface Water Interaction—Legal Aspects, William E. Kelly, WR1:Mar 80:55:15234
Highway Safety Program Overview, Thomas A. Hall, HW80:Mar 80:3
Highway Safety: Pyrrhic Victory, Sally Free, HW80: Mar 80:87
Legal Standard for Coastal Development Permission, Jonathan M. Davidson, CZ80:Nov 80:1341
Let's Look at Some Legal Implications of Streamflow Forecasting, Thomas M. Stetson, EFHYF:Mar 79: 312
The Long Road to Regulatory Reform, CE:Mar 80: 95
Mapping Massachusetts Wetlands, Robert W. Foster, SU1:Nov 80:95:15818
Meaningful Highway Accident Data—A Commitment is Needed, Roy W. Anderson, HW80: Mar 80:12
National Commission on Air Quality, Katherine Cudlipp, CAAA:Nov 79:396
Opportunities in Engineering and Construction Entrepreneurship for Minorities, ASCE Board of Direction, EI2:Apr 79:77:14520
Perspectives on Erosion: Barrier Island Management, Ann C. Baker, CZ80:Nov 80:1
Policy Issues of Importance to Offshore Development, William S. Gaither, PO80:May 80:1
Preserving Public Access: The Bay Experience, Nancy Wakeman Twiss, CZ80:Nov 80:1418
The Rail-Highway Grade Crossing Program—A State's View, Robert E. Craven, HW80:Mar 80:124
Recent Safety Developments in Vehicles, King K. Mak, HW80:Mar 80:199
The Regulation of Mine Waste Disposal, Bruce C. Vandre, IRKB:July 80:898
The Role of ASCE in Influencing Public Policy on Controversial Technical Issues, Karen Kirk, EI4:Oct 80:415:15780
Space: A Place to Work, Virginia Fairweather, CE: July 79:48
Summary of Commissioner G. B. Craig's Remarks, G. B. Craig, HW80:Mar 80:215
Surface-Mining Legislation and Regulation, Jerome P. Harper, EE1:Feb 80:145:15170
Water Planning-Overview, Eugene W. Weber, WR1: Mar 79:3:14431
Water Quality, Energy, Legislation: Challenge of the 80's, Carmen F. Guarino, EE80:July 80:1
Working Within the Environmental Regulatory Process, Michael L. Barningham and Steven A. Ott, TE3:May 80:309:15423

Lenses (Soils)
Case Study of a Hazardous Waste Disposal Facility, David E. Murray, EE80:July 80:433

Levees
Wave Run-up Influence on Overtopping of Levees, Date H. Keuning and Jan B.M. van Acker, HY5: May 79:589:14588

Liabilities
Alternative Construction Quality Assurance Programs, Weston T. Hester, CO3:Sept 79:187: 14800
Direct Liability — Field Errors, Stephen B. Quinn, Preprint No.80-523, Oct 80, 6pp.
Impact of Inspector's Experience on Liability, Merlin D. Kirschenman, Preprint No.80-514, Oct 80, 14pp.
Legal and Insurance Trends in Engineering, Gardner M. Reynolds, EI1:Jan 80:3:15154
Liability in Traffic and Highway Operations, Sheldon I. Pivnik, TE4:July 79:373:14701
Risks and Liabilities in Engineering Practice, John P. Gnaedinger, Walter E. Hanson and Narbey Khachaturian, EI4:Oct 79:207:14920
Tort Liability and the Highway Engineer, Jack B. Humphreys, HW80:Mar 80:249
Tort Liability as a Safety Incentive, James J. Stapleton, HW80:Mar 80:256

Liability
Concept to Commissioning: How Risky the Trip?, Chauncey E. Burtch, CRLS:Jan 79:I-7
Construction Risk: Who Pays?, Virginia Fairweather, CE:Apr 79:64

Contractual Arrangements—D, Sammie D. Guy, CRLS:Jan 79:II-108
The Effect of Contract Type on Inspector Liability, Lawrence J. Green, Preprint No.80553, Oct 80, 8pp.
Executive Summary, W. Stell Huie, CRLS:Jan 79:II-1
Identification and Nature of Risks—A, W. Stell Huie, CRLS:Jan 79:II-15
Identification and Nature of Risks—C, Alfred C. Maevis, CRLS:Jan 79:II-35
Identification and Nature of Risks—D, Harry Sutcliffe, CRLS:Jan 79:II-40
Keynote Address, George A. Fox, CRLS:Jan 79:II-9
Legal Aspect of Expansive Soils, Fu Hau Chen, SLS: June 80:639
Liability Implications for Low Volume Rural Highways, Melvin B. Larsen, TE6:Nov 80:803: 15844
PCM Team Member Liability, Marshall A. Ames and Mark H. Jordan, Preprint No.80-174, Apr 80, 11pp.
Recommended Endorsement and Comments on NSPE/ACEC 1910-8 (1978) General Conditions, Robert D. Rowland, Chmn., CO2:June 79:157: 14641
Reliability of Computer-Aided Design, Kolbjorn Saether, Harold R. Sandberg and Charles F. Beck, TC2:Dec 79:371:15069
Summary Session—D, David G. Hammond, CRLS: Jan 79:II-192
Weather Modification Operations: The Legal Considerations, Ray Jay Davis, IRKA:July 80:77
Willow Island Aftermath: The Limits of OSHA, Allen Morrison, CE:Mar 80:68

Liability Insurance

Identification and Nature of Risks—D, Harry Sutcliffe, CRLS:Jan 79:II-40
Legal and Insurance Trends in Engineering, Gardner M. Reynolds, EI1:Jan 80:3:15154
Liability in Traffic and Highway Operations, Sheldon I. Pivnik, TE4:July 79:373:14701
Minimizing Risks and Mitigating Losses—A, William Cullen, CRLS:Jan 79:II-127
Public Engineers: Accountability Without Liability, Edward J. Rhomberg and Gary W. Hein, EI4:Oct 80:345:15727
Summary Session—B, Henry J. Jacoby, CRLS:Jan 79: II-178
Tort Liability as a Safety Incentive, James J. Stapleton, HW80:Mar 80:256
Weather Modification Operations: The Legal Considerations, Ray Jay Davis, IRKA:July 80:77

Licenses

Nuclear Facilities Siting, Paul Kruger, EE3:June 79: 443:14615
Professional Development in Iowa: 1979 Surveys, Robert D. Reckert, EI4:Oct 80:365:15765

Licensing

Continuing Education in Engineering—What's New?, Kneeland A. Godfrey, Jr., CE:Feb 80:68
Maintaining Competence in Engineering, E. Montford Fucik, EI2:Apr 78:101:13670
Trends in Engineering Registration, Frederick H. Rogers, Sr., Preprint No.80-045, Apr 80, 12pp.
The Vehicle Operator in the Safety Equation, Elmer Brown, HW80:Mar 80:29

Life Cycles

Research Needs in Structural Engineering, CE:Dec 79:61

Life Support

Lifelines, Seismic Hazards and Public Policy, Charles Conrad Thiel, Jr., C080:80:6
Planning Initiatives for Seismic Hazard Mitigation, Dennis S. Mileti, C080:80:44

Life Support Systems

Lifeline Economics and Hazard Mitigation, Le Val Lund, C080:80:78
Planning Initiatives for Seismic Hazard Mitigation, Dennis S. Mileti, C080:80:44
Quantifying Hazards Information for Lifelines, Jeanne B. Perkins, C080:80:34
A Seismic Hazard Evaluation of California, Ronald T. Eguchi, C080:80, 66pp.

Lift

Development of Makeup-Line Safe-Operating Criteria, Peter K. Su and Irving Joseph, HY2:Feb 80:269:15183
Transverse Motion of Articulated Tower, Subrata K. Chakrabarti and Dennis C. Cotter, WW1:Feb 80:65: 15178

Lighters (Boats)

The Role of Deepwater Ports: The Texas Experience, C. Michael Walton, PO80:May 80:73

Lightning

Stressing of Transmission Tower Peak by Lighting, Thazhath Veettil Gopalan, EY1:Jan 79:103:14328

Lightning Protection

Stressing of Transmission Tower Peak by Lighting, Thazhath Veettil Gopalan, EY1:Jan 79:103:14328

Lime

Lime Columns—A New Foundation Method, Bengt B. Broms and Per Boman, GT4:Apr 79:539:14543
Lime Use in Anaerobic Filters, Graham J. Brown, Kuran-Chow Lin, Robert C. Landine, Albert A. Cocci and Thiruvenkatachari Viraraghavan, TN: EE4:Aug 80:837:15588

Limes

Dispersive Soil Problem at Los Esteros Dam, Thomas N. McDaniel and Rey S. Decker, GT9:Sept 79: 1017:14804

Lime-Soda Ash Process

Simulation of Lime-Soda Softening, Li-Shiang Liang, Irvine W. Wei and Henry G. Sideropoulos, EE5: Oct 80:935:15756

Lime Soil Mixtures

Engineering Properties of Soil-Lime Mixes, Mohamed M. Aly Sabry and James V. Parcher, TE1:Jan 79:59:14278

Lime Soil Stabilization

Dispersive Soil Problem at Los Esteros Dam, Thomas N. McDaniel and Rey S. Decker, GT9:Sept 79: 1017:14804
New Approach to Predict Lime Reactivity of Soils, Aloysius Kweku Castel and Kandiah Arulanandan, TN: GT4:Apr 79:563:14476
Treatment of Expansive Clay Canal Lining, Jack G. Byers, SLS:June 80:401

Limestone

Behavior of Driven Piles on Soft Limestone, Curtis J. Roos and E. W. Lingo, GTDF:80:365
Miami Limestone Foundation Design and Construction, Richard T. Reynolds and Thomas J. Kaderabek, Preprint No.80-546, Oct 80, 17pp.
Stress Analysis of Marine Limestone Solution Features, Shelly Prager and Zen Yang, Preprint No.80-619, Oct 80, 17pp.

Limit Analysis

Limit Analysis of Slabs with Free Edge, Kanakapura S. Subba Rao, N. Rangaiah and Balagolam V. Ranganatham, ST11:Nov 79:2419:14959
Mechanism Generation for Limit Analysis of Frames, Vernon B. Watwood, ST1:Jan 79:1:14315
Plasticity in Soil Mechanics and Landslides, Wai F. Chen, EM3:June 80:443:15460
Uniqueness of Solution in Limit Analysis of Structures, A. Franchi and M. Z. Cohn, EM5:Oct 78:1229:14091

Limit Design
Alternate to ACI Analysis Coefficients, Richard W. Furlong and Carlos Rezende, ST11:Nov 79:2203: 14979
Composite Beam Criteria in LRFD, William Charles Hansell, Theodore V. Galambos, Mayasandra K. Ravindra and Ivan M. Viest, ST9:Sept 78:1409: 14005
Concrete Reinforcing Net: Optimum Slip-Free Limit Design, Zdenek P. Bazant and Tatsuya Tsubaki, ST2:Feb 79:327:14344
Limit Truss Analysis by Linear Programming Techniques, Jun Wai Lee and H. Gordon Jensen, Preprint No.80-006, Apr 80, 22pp.
Lower Bound Limit Design of Concrete Structures, B. Vijaya Rangan, P. R. Natarajan and V. S. Parameswaran, ST12:Dec 78:1901:14240

Limit Design Method
Limit Design of Extended End-Plate Connections, Allan P. Mann and Linden J. Morris, ST3:Mar 79: 511:14460
Linearity in Limit Design of Orthotropic Slabs, Harinatha B. Goli and Hans Gesund, ST10:Oct 79: 1901:14928
Local Flexural Strength of Slabs at Interior Columns, Hans Gesund and Harinatha B. Goli, ST5:May 80: 1063:15394
LRFD Criteria for Steel Beam-Columns, Reidar Bjorhovde, Theodore V. Galambos and Mayasandra K. Ravindra, ST9:Sept 78:1371:14016
Optimum Seismic-Resistant Design of R/C Frames, Stan Zagajeski Zagakesli and Vitelmo V. Bertero, ST5:May 79:829:14583
Quadratic Limit States in Structural Reliability, Bernd Fiessler, Hans-Joachim Neumann and Rudiger Rackwitz, EM4:Aug 79:661:14739
Stability Analysis of Embankments and Slopes, Sarada K. Sarma, GT12:Dec 79:1511:15068
Validity of Yieldline Theory for Polyhedral Shells, Robert E. Melchers, EM1:Feb 79:107:14388

Limiting Factors
Extreme-Value Problems of Limiting Equilibrium, Michael Garber and Rafael Baker, GT10:Oct 79: 1155:14901
Optimum Design to Resist Earthquakes, Emilio Rosenblueth, EM1:Feb 79:159:14395
Optimum Expenditures in Seismic Design, Emilio Rosenblueth, EM1:Feb 79:177:14396

Linear Functions
Application of System Optimal Depth Concept, Donald I. Norum, Gideon Peri and William E. Hart, IR4:Dec 79:357:15094
Time Variations of Structural Properties During Strong Ground Shaking, Firdaus E. Udwadia and Navin Jerath, EM1:Feb 80:111:15200

Linearity
Equivalent Linear SDF Response to Earthquakes, Visit Tansirikongkol and David A. Pecknold, ST12: Dec 79:2529:15073

Linear Programming
Limit Analysis of Reinforced Concrete Arch Bridges, Paola Ronca and M. Z. Cohn, ST2:Feb 79:313: 14337
Limit Truss Analysis by Linear Programming Techniques, Jun Wai Lee and H. Gordon Jensen, Preprint No.80-006, Apr 80, 22pp.
Linear Programming Solution to Network Compression, Srilal Perera, CO3:Sept 80:315:15680
Mexican Pacific Coast Airport System, Rodolofo Felix Valdes, Francisco J. Jauffred and Jesus Acosta Flores, MGC:July 80:378
Prestressed Concrete Design by Linear Programming, David Morris, ST3:Mar 78:439:13612

Liner Plates
Parametric Study on Containment Liner-Anchor System, Adam Al-Dabbagh and Ajaya K. Gupta, EY2:Aug 79:169:14737

Linings
Observations on Mortar Lining of Steel Pipelines, Samuel Aroni and G. Louis Fletcher, TE6:Nov 79: 667:14966
Park River Auxiliary Tunnel, Edwin A. Blackey, Jr., CO4:Dec 79:341:15076
Rockfill Linings for Channels, David Stephenson, IRKB:July 80:643
Tunnel Closure for Nonlinear Mohr-Coulomb Functions, Timothy C. Kennedy and Herbert E. Lindberg, EM6:Dec 78:1313:14245
Unsaturated Flow Beneath Tailings Impoundments, David B. McWhorter and John D. Nelson, GT11: Nov 79:1317:14999

Liquefaction
Definition of Terms Related to Liquefaction, William F. Marcuson, III, Chmn., GT9:Sept 78:1197:14037
Factors Affecting Liquefaction and Cyclic Mobility, Gonzalo Castro and Steve J. Poulos, GT6:June 77: 501:12994
Liquefaction Potential: Science Versus Practice, Ralph B. Peck, GT3:Mar 79:393:14418
Liquefaction Study — A Decision Analysis Framework, Achintya Haldar, GT12:Dec 80:1297: 15925
Liquefaction Study of Cemented Sand, Sam Frydman, David Hendron, Harry Horn, Joav Steinbach, Rafael Baker and Benzion Shaal, GT3: Mar 80:275:15289
Ocean Wave-Induced Liquefaction Analysis: A Review of Available Procedures, Mysore S. Nataraja and H. S. Gill, Preprint No.80-571, Oct 80, 22pp.
A Plasticity Model for the Load Unload Behavior of Sand, Rafael Baker, Sam Frydman and J. Galil, Preprint No.80-585, Oct 80, 21pp.
Probabilistic Evaluation of Liquefaction Potential, Achintya Haldar and Wilson H. Tang, GT2:Feb 79: 145:14374
Probabilistic Soil Dynamics: State-of-the-Art, John T. Christian, GT4:Apr 80:385:15339
Seismic Design of Oil Pipeline Systems, Robert P. Kennedy, Arthur C. Darrow and Stephen A. Short, TC1:Apr 79:119:14505
Site Factors Controlling Liquefaction, Rafael M. Blazquez, Raymond J. Krizek and Zdenek P. Bazant, GT7:July 80:785:15577
Soil Liquefaction and Cyclic Mobility Evaluation for Level Ground during Earthquakes, H. Bolton Seed, GT2:Feb 79:201:14380
Static and Dynamic Properties of Sand-Cement, Jean-Michel Dupas and Alain Pecker, GT3:Mar 79: 419:14425
Static Shear and Liquefaction Potential, Yoginder P. Vaid and W. D. Liam Finn, GT10:Oct 79:1233: 14909
Wave-Induced Pore Pressure Models — A Critical Review, James P. Healey and Pedro A. De Alba, Preprint No.80-562, Oct 80, 14pp.

Liquefied Natural Gas
Public and Private Regulation of LNG Transport, Jonathan David Aronson and William Westermeyer, CZ80:Nov 80:589

Liquid Natural Gas
All Metal Loading Arms for Bulk Liquid Handling, W. Kemper, PO80:May 80:661
Bintulu Malaysia LNG Project, Clemence L. Cameron and Samuel P. Lin, PO80:May 80:455
Deepwater Bottom Supported "Condeep" Terminal Design, Leif G. Larsen and John M. MacDonald, PO80:May 80:339
Design of an LNG Terminal in Canada's High Arctic, Alvin F. McDonald, PO80:May 80:489
Evaluation of Three Offshore LNG Terminal Designs for Southern California, Edgar Rust, PO80:May 80: 352
Fire Protection on Petroleum Jetty's, O. M. Slye, Jr., PO80:May 80:681
Floating Terminal for Storage and Sendout of LNG, Gene Anspach, Robert Baseler and Rolf Glasfeld, PO80:May 80:296

LNG/LPG Terminal Safety, John J. Closner, Henry J. Kuss, Jerry L. Lott and J. D. Porricelli, PO80: May 80:469
LNG Terminal Design for California, Thomas L. Anderson and Robert E. Bachman, Preprint No.80-021, Apr 80, 21pp.

Litigation
Allocation of Risks—A, M. G. Johnson, CRLS:Jan 79:II-53
Legal and Insurance Trends in Engineering, Gardner M. Reynolds, EI1:Jan 80:3:15154
Summary Session—B, Henry J. Jacoby, CRLS:Jan 79: II-178
Tort Liability and the Highway Engineer, Jack B. Humphreys, HW80:Mar 80:249
Tort Liability as a Safety Incentive, James J. Stapleton, HW80:Mar 80:256

Littoral Current
Extreme Values of Breaker Direction and Longshore Current, Michael Stiassnie and Uri I. Kroszynski, TN: WW3:Aug 79:331:14731
Finite Element Modeling of Nearshore Currents, Philip La-Fan Liu and Gerard P. Lennon, WW2: May 78:175:13719
Littoral Sand Transport from Longshore Currents, Todd L. Walton, Jr., TN: WW4:Nov 80:483:15793

Littoral Deposits
Extreme Values of Breaker Direction and Longshore Current, Michael Stiassnie and Uri I. Kroszynski, TN: WW3:Aug 79:331:14731

Littoral Drift
Extreme Values of Breaker Direction and Longshore Current, Michael Stiassnie and Uri I. Kroszynski, TN: WW3:Aug 79:331:14731
Human Influence on the Sediment Budget of a Barrier Island, Craig H. Everts, CZ80:Nov 80:863
Littoral Drift and Erosion at Belle Pass, Louisiana, Elvin J. Dantin, Charles A. Whitehurst and Warren T. Durbin, WW4:Nov 78:375:14184
Longshore Currents with Wave Current Interaction, Robert A. Dalrymple, TN: WW3:Aug 80:414:15592
The Nearshore Sediment Transport Study, Richard J. Seymour, Preprint No.80-555, Oct 80, 7pp.
Recent Geologic History of a Barrier Island, Richard D. Hobson, Robert K. Schwartz and Frank R. Musialowski, CZ80:Nov 80:850
Tidal Inlet Effects on Barrier Island Management, Duncan M. FitzGerald and Miles O. Hayes, CZ80: Nov 80:2355

Live Loads
Automatic Active Control of Structures, Mohamed Abdel-Rohman and Horst H. Leipholz, ST3:Mar 80:663:15260
Behavior and Design of Long-Span Metal Culverts, James M. Duncan, GT3:Mar 79:399:14429
Nonlinear Creep Buckling of Reinforced Concrete Columns, Zdenek P. Bazant and Tatsuya Tsubaki, ST11:Nov 80:2235:15811
Optimum Design to Resist Earthquakes, Emilio Rosenblueth, EM1:Feb 79:159:14395
Optimum Expenditures in Seismic Design, Emilio Rosenblueth, EM1:Feb 79:177:14396
Probability Model for Design Live Loads, Philip L. Chalk and Ross B. Corotis, ST10:Oct 80:2017: 15753
Proposed AISC LRFD Design Criteria, Frank J. Heger, TN: ST3:Mar 80:729:15231
Statistics of Extreme of Live Load on Buildings, Yi-Kwei Wen, ST10:Oct 79:1893:14886
Stochastic Nature of Building Live Loads, Ross B. Corotis and Victor Jaria, ST3:Mar 79:493:14441
Sum of Independent Gamma Live Loads Model, Victor Jaria and Ross B. Corotis, TN: ST8:Aug 79: 1701:14730

Livestock
Riparian Response to Certain Grazing Management, John C. Buckhouse, IRKB:July 80:573
Unconfined Grazing and Bacterial Water Pollution—A Review, Everett P. Singer and Gerald F. Gifford, IRKB:July 80:578

Load Bearing Capacity
Evaluation of Bridge Overloads, Kenneth R. White and John Minor, TE1:Jan 79:15:14279
Laterally Loaded Timber Columns, Hans J. Larsen and Esko Theilgaard, ST7:July 79:1347:14679
Reliability Analysis of Steel Beam-Columns, Bruce R. Ellingwood and Timothy A. Reinhold, TN: ST12: Dec 80:2560:15874

Load Distribution
Alaska's Native Log Bridges, Frank W. Muchmore and Roger L. Tuomi, CE:Feb 80:54
Behavior of Driven Piles on Soft Limestone, Curtis J. Roos and E. W. Lingo, GTDF:80:365
BRANDE IV — A Bridge Analysis System, William C. McCarthy, Kenneth R. White and John Minor, CP80:June 80:461
Case History: Concrete-Filled Steel Pipe Piles, David E. Thompson and John W. Critchfield, GTDF:80:444
Case History: Pile Foundation in Flood Plain Soils, K. A. Kessler, GTDF:80:215
Equivalent Frame Analysis for Lateral Loads, M. Daniel Vanderbilt, ST10:Oct 79:1981:14931
Instrumented Drilled Shafts in Clay-Shale, Patrick M. Goeke and Paul A. Hustad, Aff., GTDF:80:149
New Use for Filter Fabric: Highway Construction, CE:Oct 79:55
Short Statistical Analysis of Total Load Concentration, Jagdish P. Soni, TN: HY8:Aug 80: 1383:15590
A Study of Downdrag on a Cast-in-Place Concrete Pile, Antal Partos, GTDF:80:311

Load Factors
LFD Criteria for Composite Steel I-Beam Bridges, Conrad P. Heins, ST11:Nov 80:2297:15803
Load and Resistance Factor Design Criteria for Connectors, John W. Fisher, Theodore V. Galambos, Geoffrey L. Kulak and Mayasandra K. Ravindra, ST9:Sept 78:1427:14017
Load and Resistance Factor Design for Steel, Mayasandra K. Ravindra and Theodore V. Galambos, ST9:Sept 78:1337:14008
Load Management Economics with Pumped Storage, Charles R. Scherer, EY1:Apr 80:69:15314
LRFD Criteria for Plate Girders, Peter B. Cooper, Theodore V. Galambos and Mayasandra K. Ravindra, ST9:Sept 78:1389:14012
LRFD Criteria for Steel Beam-Columns, Reidar Bjorhovde, Theodore V. Galambos and Mayasandra K. Ravindra, ST9:Sept 78:1371:14016
Practical Bridge Code Calibration, Andrzej S. Nowak and Niels C. Lind, ST12:Dec 79:2497:15061
Proposed AISC LRFD Design Criteria, Frank J. Heger, TN: ST3:Mar 80:729:15231
Wind and Snow Load Factors for Use in LRFD, Mayasandra K. Ravindra, C. Allin Cornell and Theodore V. Galambos, ST9:Sept 78:1443:14006

Loading
Airfield Pavement Demonstration-Validation Study, Donald M. Arntzen, Ernest J. Barenberg and Robert J. Krause, TE6:Nov 80:721:15813
Analytical M-Θ Curves for End-Plate Connections, Natarajan Krishnamurthy, Horng-Te Huang, Paul K. Jeffrey and Louie K. Avery, ST1:Jan 79:133: 14294
Comparison of FEM Analyses for a Hyperboloidal Shell, James R. Shaver and Timothy A. Reinhold, CP80:June 80:161
Computer Graphics in Education: A Case Study, Michael J. O'Rourke, Robert U. Johnson and Larry J. Feeser, CP80:June 80:450
Creep Strain Accumulation Under Random Loading, Chavali V.S. Kameswara Rao, TN: EM6:Dec 78: 1457:14198
Critical Loads for Webs with Holes, Richard G. Redwood and Minoru Uenoya, ST10:Oct 79:2053: 14925

Large Deflection of Circular Plate: Symmetrical Load, B. Banerjee and S. Datta, TN: EM4:Aug 80: 831:15589
Loading Rate Effects on Compressibility of Sand, John G. Jackson, Jr., John Q. Ehrgott and Behzad Rohani, GT8:Aug 80:839:15640
Load Response of Transportation Support Systems, Lutfi Raad and Jose L. Figueroa, TE1:Jan 80:111: 15146
Minimum-Weight Design of Nonuniform Beams, Erling A. Smith, TN: ST7:July 79:1559:14664
Nonlinear Finite Element Analysis of Farm Silos, Karoon Chandrangsu and Alfred G. Bishara, ST7: July 78:1045:13907
Nonsymmetrical Loadings on Pipe, Wayne Winter Smith, TE3:May 79:307:14584
Reliability Analysis of Highway Bridge Vehicle Loadings, Fred Moses, Preprint No.80-008, Apr 80, 22pp.
Status of Design Loadings for Buildings Standards, Edwin G. Zacher, Preprint No.80-632, Oct 80, 9pp.
Upcrossing Rate Solution for Load Combinations, Richard D. Larrabee and C. Allin Cornell, ST1:Jan 79:125:14329

Loading Areas
Alyeska — Crude Loading Port, Ernest W. Brumitt and David G. Dixon, PO80:May 80:218

Loading Machines
All Metal Loading Arms for Bulk Liquid Handling, W. Kemper, PO80:May 80:661
Fire Protection on Petroleum Jetty's, O. M. Slye, Jr., PO80:May 80:681

Loading Rate
Nutrient Budget Analysis for Rend Lake in Illinois, Veerasamy Kothandaraman and Ralph L. Evans, EE3:June 79:547:14616

Loads (Forces)
Combined-Load Buckling of Orthotropic Skew Plates, John B. Kennedy and Madanapalli K. Prabhakara, EM1:Feb 79:71:14363
Commentary on Design Loads for Bridges, Peter Graham Buckland, Chmn., Preprint No.80-173, Apr 80, 73pp.
Composite Columns Under Sustained Load, Russell Q. Bridge, ST3:Mar 79:563:14442
Design of a Tanker Mooring System for Dynamic Loads, Shih-lih Steve Fang and Robert M. Schneider, PO80:May 80:747
Differential Movement in Composite Load-Bearing Masonry Walls, Clayford T. Grimm and David W. Fowler, ST7:July 79:1277:14666
Dome Effect in RC Slabs: Elastic-Plastic Analysis, Mikael W. Braestrup and C. T. Morley, ST6:June 80:1255:15502
Dome Effect in RC Slabs: Rigid-Plastic Analysis, Mikael W. Braestrup, ST6:June 80:1237:15501
Eccentrically Loaded Elastically Supported Columns, R. Richard Avent, TN: ST12:Dec 80:2547:15874
Economic Effect of Heavy Trucks on Highways, C. Michael Walton and Dock Burke, MGC:July 80: 105
Evaluation of Bridge Overloads, Kenneth R. White and John Minor, TE1:Jan 79:15:14279
First Yield of Edge Beam Stiffened Square Plates, Geoffrey John Turvey, EM1:Feb 79:81:14373
Load Combinations in Codified Structural Design, Carl J. Turkstra and Henrik O. Madsen, ST12:Dec 80:2527:15938
Optimum Design to Resist Earthquakes, Emilio Rosenblueth, EM1:Feb 79:159:14395
Optimum Expenditures in Seismic Design, Emilio Rosenblueth, EM1:Feb 79:177:14396
Pressures on Curtain Wall with External Mullions, Bernard M. Leadon and Michael L. Kownacki, EM4:Aug 79:515:14732
Proposed Vehicle Loading of Long-Span Bridges, Peter Graham Buckland, Frank P.D. Navin, Jim V. Zidek and John P. McBryde, ST4:Apr 80:915: 15306
Recommended Design Loads for Bridges, Peter Graham Buckland, Chmn., Preprint No.80-173, Apr 80, 20pp.
Seismic Behavior of Gravity Retaining Walls, Rowland Richards, Jr. and David G. Elms, GT4: Apr 79:449:14496
Short Statistical Analysis of Total Load Concentration, Jagdish P. Soni, TN: HY8:Aug 80: 1383:15590
Snow Load Analysis for Structures, Arnfinn Rusten, Ronald L. Sack and Myron Molnau, ST1:Jan 80:11: 15102
Stability of Lattice Structures Under Combined Loads, Siegfried M. Holzer, Raymond H. Plaut, Arnold E. Somers, Jr. and Willis S. White, III, EM2:Apr 80:289:15322
Stability of Lattice Structures Under Combined Loads, Siegfried M. Holzer, Raymond H. Plaut, Arnold E. Somers, Jr. and Willis S. White, III, EM2:Apr 80:289:15322
Statistics of Extreme of Live Load on Buildings, Yi-Kwei Wen, ST10:Oct 79:1893:14886
Strength Interaction Surfaces for Tall Buildings, Bruno Zimmerli and Bruno Thurlimann, ST3:Mar 79:481:14426
Stress Analysis of Bins by Shell Bending Theory, Sukhvarsh Jerath and Arthur P. Boresi, ST6:June 79:1069:14632
Wave Forces on Partially Submerged Cylinders, A. Graham Dixon, Clive A. Greated and Stephen H. Salter, WW4:Nov 79:421:14996
Weigh-in-Motion System Using Instrumented Bridges, Fred Moses, TE3:May 79:233:14566
Wood Beams Under Impact Load, Borislav D. Zakic, ST7:July 79:1489:14690

Load Shifting
Active Control of Flexible Structures, Mohamed Abdel-Rohman and Horst H. Leipholz, ST8:Aug 78:1251:13964
Strength Decay in R.C. Beams under Load Reversals, Charles F. Scribner and James K. Wight, ST4:Apr 80:861:15360

Load Tests (Foundations)
Behavior of Driven Piles on Soft Limestone, Curtis J. Roos and E. W. Lingo, GTDF:80:365
Capacities of Steel H Piles Supported in Shale, Larry G. O'Dell and Alan N. Stilley, GTDF:80:288
Intrusion Pile Foundation Case History, Larry G. O'Dell and John M. Pool, GTDF:80:300
Load Transfer in Pressure Injected Anchors, James R. Shields, Harry Schnabel, Jr. and David E. Weatherby, GT9:Sept 78:1183:14035
Prediction and Verification of Friction Pile Behavior, Michael W. Montgomery, GTDF:80:274
Shaft Resistance of Rock-Socketed Drilled Piers, Robert G. Horvath and T. Cameron Kenney, GTDF:80:182

Load Transfer
Load Transfer in Pressure Injected Anchors, James R. Shields, Harry Schnabel, Jr. and David E. Weatherby, GT9:Sept 78:1183:14035
Model Study of Load Transfer in Slender Pile, Ravi P. Aurora, Edward H. Peterson and Michael W. O'Neill, TN: GT8:Aug 80:941:15639
Notched Trusses Give Low-Cost Conversion of Hangars for Jumbo Jets, Edward H. Strand and Stephen H. Barnes, CE:June 80:88
Pull-Out Load Test of a Drilled Pier in Very Stiff Beaumont Clay, Richard A. Pearce and Carl L. Brassow, GTDF:80:331
Stochastic Simulation of Wood Load-Sharing Systems, A. Louis DeBonis, ST2:Feb 80:393:15186
Structural Analysis of Concrete Pavement Systems, Amir M. Tabatabaie and Ernest J. Barenberg, TE5: Sept 80:493:15671

Loans
Urban Transport Issues: A World Bank Approach, Gabriel Roth, MGC:July 80:184

Local Government
Alternatives for Standards and Regulations, Brian R. Mrazik and Richard W. Krimm, EFHYF:Mar 79: 375
Analysis of Nonattainment Area Plan for TSP, C. Philip Arthur, CAAA:Nov 79:206
Conference Summary, George R. Beetle, UT79A:July 79:1
Energy Facilities and the California Coast, William R. Ahern, CZ80:Nov 80:379
Evaluation and Inter-Governmental Relations in CZM, G. Kem Lowry, Jr. and Norman H. Okamura, CZ80:Nov 80:429
Examples of Good Local Programs—Oakland Co., Mich., Bruce B. Madsen, HW80:Mar 80:190
Improved Resource Allocation, State & Federal: How Federal Transit Aid Influences Local Decisions, Jay R. Cherlow, UT79A:July 79:200
A Local Endangered Species Program — Florida Manatee, *Trichechus manatus*, Diane D. Barile, CZ80:Nov 80:186
Managing Barrier Islands: Role of Local Government, Kent S. Butler, Kathryn N. Nichols and Ray Quay, CZ80:Nov 80:2036
The State and Local Politics of Seismic Hazard, James D. Wright, C080:193
Waterfront Policy: Responding to Local Needs, Letitia C. Longord and Irene L. Murphy, CZ80: Nov 80:256
The #53 Working Group: Local Participation in the Federal OCS Leasing Process, Ceila Lawren, CZ80: Nov 80:1087

Local Government Liability
Seismic Hazards and Public Policy as Viewed by a Local Agency, James E. McCarty, C080:80:28

Local Governments
Baltimore: Public Involvement as Part of Planning, Sandra S. Lippman, CAAA:Nov 79:369
Coastal Zone Intergration of State and Local Plans, Lowdon Wingo and James Fawcett, CZ80:Nov 80: 2052
Liability Implications for Low Volume Rural Highways, Melvin B. Larsen, TE6:Nov 80:803: 15844
Local Assistance: A Problem in Translation, Stephen Olsen, CZ80:Nov 80:1510
The Networking Approach to Coastal Zone Management, Earl H. Bradley, Jr., CZ80:Nov 80: 1504
Seismic Hazards and Public Policy as Viewed by a Local Agency, James E. McCarty, C080:80:28
Two Approaches to Coastal Area Planning in Japan, Harvey A. Shapiro, CZ80:Nov 80:741
Wetlands Reviews — A Califorina Experience, Hugh Converse and Jill Shapiro, CZ80:Nov 80:1829

Location
Quantified Water Related Impact Analysis, Robert E. Riggins and John T. Bandy, Preprint No.80-579, Oct 80, 4pp.

Locomotives
Response of Locomotives on Randomly Imperfect Tracks, Mahendra P. Singh, Preprint No.80-633, Oct 80, 14pp.

Lodgepole Pine Trees
Path Clearcuts to Manage Snow in Lodgepole Pine, Howard L. Gary, IRKB:July 80:335
Soil Solution Chemistry and Slash Disposal, George E. Hart, Norbert V. DeByle and Robert W. Hennes, IRKB:July 80:318

Loess
Hydroconsolidation Stability of Palouse Loess, Bertel O. Olson, Preprint No.80-031, Apr 80, 12pp.

Logging
Alaska's Native Log Bridges, Frank W. Muchmore and Roger L. Tuomi, CE:Feb 80:54
Effects of Logging Roads on Storm Hydrographs, Everett P. Springer and George B. Coltharp, IRKB: July 80:228
Management of Galbraith Gap Municipal Watershed, David R. DeWalle, IRKB:July 80:1012
Timber Harvest and Water Yields in the Ozarks, Carl D. Settergren, R. Michael Nugent and Gary S. Henderson, IRKB:July 80:661

Logistics
Concreting and Formwork Logistics and Optimization, Marvin Gates and Amerigo Scarpa, CO2:June 78:219:13842
The Logistics System for Grain Exports, Lowell D. Hill, Preprint No.80-667, Oct 80, 11pp.

Losses
Keynote Address, George A. Fox, CRLS:Jan 79:II-9
Minimizing Risks and Mitigating Losses — A, G. S. Bates, CRLS:Jan 79:I-119
Minimizing Risks and Mitigating Losses — B, David G. Hammond, CRLS:Jan 79:I-133
Minimizing Risks/Mitigating Losses, V. Wallace Ryland, CRLS:Jan 79:I-145
User Losses in Earthquake-Damaged Roadway Networks, Chris Hendrickson, Irving J. Oppenheim and Krishnaswami Siddharthan, TC1:Aug 80:117: 15631

Loss Reduction
Utility Lifelines and Economic Activity in the Context of Earthquakes, Adam Zachary Rose, C080:80:107

Louisiana
The Evolution of Mitigation in a Highway System, Rodney Edwin Emmer, CZ80:Nov 80:1119
LOOP: Delivering Oil Where It's Needed, William B. Read, PO80:May 80:163

Louvers
Offshore Water Intakes Designed to Protect Fish, Yusuf G. Mussalli, Edward P. Taft, III and Johannes Larsen, HY11:Nov 80:1885:15798

Low Flow
Advanced Waste Treatment Investments, George K. Young, EE4:Aug 80:681:15597
Characteristics of Low Flows, Henry C. Riggs, HY5: May 80:717:15400

Low Head
Feasibility of Five Low-Head Hydro Projects, James V. Williamson and Anthony Wayne Pietz, EY1:Apr 80:57:15327

Lysimeters
Evapotranspiration under Depleting Soil Moisture, Wiboon Boonyatharokul and Wynn R. Walker, IR4: Dec 79:391:15018

Machine Foundation
Design of Fan Foundations, Donald B. Walters and Jeffrey B. Kirby, Preprint No.80-625, Oct 80, 14pp.
Dynamics of Vibratory-Roller Compaction, Tai-Sung Yoo and Ernest T. Selig, GT10:Oct 79:1211:14907
Measured Response of Pile Supported Machines, Gerald M. Diaz, GTDF:80:75

Machine Foundations
Vertical Vibration of Machine Foundations, George C. Gazetas and Jose M. Roesset, GT12:Dec 79: 1435:15050

Maine
Materials Availability Study of the Dickey-Lincoln Dam Site, Carolyn J. Merry, Harlan L. McKim and Edwin A. Blackey, Jr., ASDC:80:158

Maintenance
The American Highway System, Its Past and Its Future, Fred J. Benson, MGC:July 80:389
Application of MIS for Transportation Agencies, Neal X. Jones, CP80:June 80:379

The Arizona Inspection/Maintenance Program, R. Fred Iacobelli, CAAA:Nov 79:95
Comments, Tim Lynch, CAAA:Nov 79:407
Deferred Maintenance, Caleb W. Frobig, Preprint No.80-120, Apr 80, 7pp.
Deferred Maintenance — Opportune or Optimum Strategy, Lloyd G. Byrd, Preprint No.80-123, Apr 80, 20pp.
Deferred Maintenance — What, Why, How and So What?, Eugene B. Thomas, Preprint No.80-087, Apr 80, 14pp.
Developments in Motor Vehicle Inspection/Maintenance, Thomas Cackette, Philip Lorang and David Hughes, CAAA:Nov 79:76
Impact of Future Vehicle Technology on I/M Programs, J. C. Calhoun and G. F. Blass, CAAA: Nov 79:103
Improving Performance in Rapid Transit Systems, Harvison Hunt, TE4:July 79:393:14710
Management Systems for Pavement Maintenance, Fred N. Finn, TE4:July 79:457:14709
Microprocessor Traffic Controllers, Joseph Roehl, CP80:June 80:548
Mode Alternatives for Serving Rail Freight Users, Benjamin S. Zodikoff, MGC:July 80:129
Modern Engineering Saves Troubled Dam, James M. Tolle, Peter Simard and Lynn A. Brown, CE:June 79:78
New Use for Filter Fabric: Highway Construction, CE:Oct 79:55
Pennsylvania's Proposed Emission I/M Program, Maurice R. Devin, CAAA:Nov 79:120
Quantifying Emission Impacts of High Occupancy Vehicles, Frank C. Yu, CAAA:Nov 79:294
Structural Details and Bridge Performance, William G. Byers, ST7:July 79:1393:14678
Thermographic Applications for Plant and Building Engineers, Henry H. Schmalz, AS80:Aug 80:131
Top Highway Problems : Finance and Maintenance, Kneeland A. Godfrey, Jr., CE:Nov 79:59
Track Maintenance: Management and Planning, Alfred E. Fazio, TE6:Nov 80:705:15810
Warrior Ridge Redevelopment, Richard T. Gallus and Robert C. Richert, EY1:Jan 79:1:14295
Water Conveyance Pipelines in Expansive Soil, Robin C. Rocklin, SLS:June 80:477

Maintenance Costs

New Use for Filter Fabric: Highway Construction, CE:Oct 79:55

Malaysia

Bintulu Malaysia LNG Project, Clemence L. Cameron and Samuel P. Lin, PO80:May 80:455

Malls

Parking Lot Impact on Water Quality, Peter E. Black, IRKB:July 80:541

Management

Application of MIS for Transportation Agencies, Neal X. Jones, CP80:June 80:379
Application of POA to Transshipment Terminals, A. T. Yu and Daniel Mahr, PO80:May 80:126
Aquifers: Finite-Element Linear Programming Model, K. Elango and Gerhard Rouve, HY10:Oct 80:1641: 15734
ASCE Engineering Management Continuing Education Program: An Overview, R. Lawrence Whipple,, Jr., EI2:Apr 80:97:15353
Best Management Practices for Forestry Activities, Richard J. McClimans, IRKB:July 80:694
Can Engineers Save the Republic?, Victor V. Veysey, EI2:Apr 80:123:15344
CAPDET—Cost Estimating for Wastewater Treatment, M. John Gullinane, Jr., CP80:June 80: 320
Citizens and Project Design: Management Team, John F. Metzger and David C. Colony, UP1:Nov 80:59:15855
Coastal Development at Nile Mediterranean Outlets, Ismail Mobarek and Joel M. Goodman, CZ80:Nov 80:724
Coastal Management Policy Emphasis in an Urban National Recreation Area, Herbert S. Cables and John T. Tanacredi, CZ80:Nov 80:213
Coastal Zone Management Evaluation: Some Alternatives, John L. Kermond, CZ80:Nov 80:412
Computer Applications in Geotechnical Engineering, M. S. Aggour, CP80:June 80:213
Concreting and Formwork Logistics and Optimization, Marvin Gates and Amerigo Scarpa, CO2:June 78:219:13842
Conflict on the Job: How to Cope, Virginia Fairweather, CE:Dec 79:71
Construction Contract Staffing Needs, H. Randolph Thomas, Jr., Jack H. Willenbrock and James L. Burati, Jr., CO2:June 80:101:15481
Construction Cost Control by the Owner, Alfred C. Maevis, CO4:Dec 80:435:15915
Construction Cost Estimating in the Design Process, George S. Birrell, CO4:Dec 80:551:15880
Construction/Engineering Management: A Comparison, Steven S. Pinnell, EI4:Oct 80:405: 15779
Construction Management in Japan, Boyd C. Paulson, Jr. and Tsuneo Aki, CO3:Sept 80:281: 15670
Construction Management in West Germany, Joachim Dressler, CO4:Dec 80:477:15878
Construction Project Selection and Bernoulli Utility, V. K. Handa and I. F. Georgiades, CO3:Sept 80: 355:15683
Coordinated Advancement for Professionals, Robert L. Kimmons, EI3:July 80:227:15529
Data Bases for Information Management, William L. Howard, CP80:June 80:638
Data Base Use for Regional Environmental Planning, Lyman F. Wible, TE5:Sept 80:559:15677
Data Management for a Metroplex, Kenneth B. Strange and S. E. Mangum, Jr., SU80:June 80:202
Day-to-Day Management of Large Engineering Projects, Frank G. Jenes and Rodney D. Stroope, EI4:Oct 80:327:15735
Delineation and Implementation of a Dune Management District, Paul A. Gares, Karl F. Nordstrom and Norbert P. Pauty, CZ80:Nov 80: 1269
Effectiveness of Assessments of Coastal Management, Robert J. Reimold, CZ80:Nov 80:444
The Effect of Organization Culture on Managers, Lawrence A. Salomone, Preprint No.80-503, Oct 80, 13pp.
Engineering and Constructing Marine Superprojects, Marshall P. Cloyd, CO1:Mar 79:65:14435
Engineering Management Education—An Overview, Walter G. Heintzleman and Anthony M. DiGioia, Jr., EI2:Apr 80:73:15350
Engineering Management—University Extension, Alfred C. Ingersoll, EI2:Apr 80:89:15352
Evaluating PCM Firm Potential and Performance, Clyde B. Tatum, CO3:Sept 79:239:14802
Fairness Considerations and Alternative Policies, J. Jeffrey Peirce, Erhard F. Joeres and Martin H. David, WR1:Mar 80:81:15246
Federal Regulations and Professional Practice, Seymour S. Greenfield, EI4:Oct 79:219:14916
Fire Management Planning in Southern California, Gary L. Boyle and Jim Retelas, IRKB:July 80:260
Ground-Water Management with Fixed Charges, Eduardo Aguado and Irwin Remson, WR2:July 80: 375:15521
Hospital Solid Waste Management: A Case Study, Damodar S. Airan, John H. Bell, Lalita D. Airan and Daniel T. McMurray, EE4:Aug 80:741:15613
How Texas is Tackling Highway Finance and Management, CE:Nov 79:65
Implementing Highway Safety Improvements, Thomas A. Hall, Chmn., HW80:Mar 80
Improving the Effectiveness of Engineering Organizations, Melville D. Hensey and Kenneth Gibble, EI1:Jan 80:21:15156
Interdisciplinary Research and Environmental Management, David A. Bella and Kenneth J. Williamson, EI3:July 78:193:13860

Irrigation Management for River-Salinity Control, J. Paul Riley and Jerome J. Jurinak, IR4:Dec 79:419:15023
Landsat Imagery for Hydrologic Modeling?, Richard S. Taylor, Robert P. Shubinski and T. S. George, AS80:Aug 80:44
Management of Hazardous Waste Using Regional Concepts, Richard A. Gardner and Mahlon B. White, EE80:July 80:453
Management System for Large Engineering Firm, W. Dennis Moran, William F. Sommerfeld and R. Timothy Heatwole, TC1:Aug 80:41:15616
Management Systems for Pavement Maintenance, Fred N. Finn, TE4:July 79:457:14709
Managing Nuclear Construction-An Experience Survey, Clyde B. Tatum, CO4:Dec 78:487:14233
Managing Shore Development in British Columbia, W. Bruce Morgan and Jonathan P. Secter, CZ80:Nov 80:715
Managing Small Projects, Keith E. McKee, EI2:Apr 80:129:15367
Managing Software Development, Barry B. Flachsbart, TC1:Apr 79:51:14481
Manpower Management - A Data Base Application, Edward W. Fishback, Jr., CP80:June 80:651
Marine Ecosystem Management, George W. Robertson, CZ80:Nov 80:72
Minimizing Risks and Mitigating Losses — B, David G. Hammond, CRLS:Jan 79:I-133
Minimizing Risks/Mitigating Losses, V. Wallace Ryland, CRLS:Jan 79:I-145
Mooring System Management, John Mascenik and Richard B. Harley, PO80:May 80:763
The Networking Approach to Coastal Zone Management, Earl H. Bradley, Jr., CZ80:Nov 80:1504
A New Matrix Organization for a Contractor, Clyde B. Tatum, Preprint No.80-683, Oct 80, 22pp.
New York: Water City, Ann E. Seltz-Petrash, CE:June 79:83
Organizational Development for Small Consulting Firms, Kenneth Gibble, EI3:July 79:143:14711
Organization and Control of Engineering Design Firms, Robert D. Logcher and Raymond E. Levitt, EI1:Jan 79:7:14302
Organization Change in A Turbulent Environment, Melville D. Hensey, Preprint No.80-684, Oct 80, 9pp.
Plan Better Irrigation Systems With IMS Techniques, Gordon LyFord and Monte McVay, IRKA:July 80:243
Port Energy Conservation, Carlton H. Joseph, PO80:May 80:89
Principles & Techniques for Special Area Management: The Grays Harbor & Coos Bay Experience, Gordon E. Davis, CZ80:Nov 80:761
Productivity in the Construction Industry, Arthur J. Fox, Jr., EI1:Jan 78:49:13462
Professional Construction Management Services, John D. Madsen, Chmn., CO2:June 79:139:14624
Project Management — Pulling It All Together, James L. Lammie and D. P. Shah, TE4:July 80:437:15523
Proposed Right-of-Way Policy, William T. Wambach, Jr., Chmn., SU1:Nov 79:35:14956
Radical Change Requires a Firm Foundation, Robert L. Kimmons, Preprint No.80-682, Oct 80, 17pp.
Recommended Procedure for Computer Selection, J. Crozier Brown, TC2:Dec 79:319:15071
Reducing Costs in Urban Transportation Construction, John W. Fondahl, Boyd C. Paulson, Jr. and Henry W. Parker, CO1:Mar 79:51:14406
Riparian Response to Certain Grazing Management, John C. Buckhouse, IRKB:July 80:573
Shuttle Diplomacy and the Other Side of Coastal Management, Louis C. Burney, CZ80:Nov 80:1002
Siting of Hazardous Waste Management Facilities, Dawn D. Roderique and Timothy D. Van Epp, EE80:July 80:320
Structural Computer Office Practice, S. B. Vora and Lin Y. Huang, CP80:June 80:604
A Structural Resource Management System, Daniel C. Kaufman, CP80:June 80:369
Stumbling Blocks to Effective Management, H. B. Cooke, CE:Mar 80:66
A Survey of Cadd in Engineering Practice (Abstract), Richard L. Bland, CP80:June 80:15
System for Material Movement to Work Areas, Roland M. Parsons and John D. Pachuta, CO1:Mar 80:55:15267
Urban Transport Issues: A World Bank Approach, Gabriel Roth, MGC:July 80:184
Urban Waterfront Revitalization Employing Visual Preference as a Strategy for Managing Visual Resources and Facilitating Public Participation, Thomas R. Hudspeth, CZ80:Nov 80:33
Using High Salinity Waters in the Southwest, John R. Erickson, IRKA:July 80:198
Utilization of Contract Administration Resources, H. Randolph Thomas, Jr., Jack H. Willenbrock and James L. Burati, Jr., CO2:June 80:117:15480

Management Engineering

Legal and Insurance Trends in Engineering, Gardner M. Reynolds, EI1:Jan 80:3:15154

Management Methods

Delays in Construction of Nuclear Power Plants, Parviz F. Rad, EY1:Jan 79:33:14287
Management System for Large Engineering Firm, W. Dennis Moran, William F. Sommerfeld and R. Timothy Heatwole, TC1:Aug 80:41:15616

Management Planning

Access to Coastal Resources: The Access Concept Comes of Age, William W. Dreyfoos, CZ80:Nov 80:1719
Application of MIS for Transportation Agencies, Neal X. Jones, CP80:June 80:379
Beach Access Problems, Programs and Progress, David J. Brower, CZ80:Nov 80:1697
Coastal Development at Nile Mediterranean Outlets, Ismail Mobarek and Joel M. Goodman, CZ80:Nov 80:724
Coastal Erosion Management in Australia, David M. Chapman, CZ80:Nov 80:2218
Coastal Management Planning in Anchorage, Alaska, Anthony Burns, CZ80:Nov 80:1750
Consistency Review of OCS Acitvities Off California, Irwin D. Karp, CZ80:Nov 80:2103
Day-to-Day Management of Large Engineering Projects, Frank G. Jenes and Rodney D. Stroope, EI4:Oct 80:327:15735
Managing Barrier Islands: Role of Local Government, Kent S. Butler, Kathryn N. Nichols and Ray Quay, CZ80:Nov 80:2036
Managing Shore Development in British Columbia, W. Bruce Morgan and Jonathan P. Secter, CZ80:Nov 80:715
Marine Sanctuary Institutional Analysis, Brian J. O'Sullivan, CZ80:Nov 80:1979
Marine Turtles and Problems in Coastal Management, John G. Frazier, CZ80:Nov 80:2395
Organization Change in A Turbulent Environment, Melville D. Hensey, Preprint No.80-684, Oct 80, 9pp.
The San Diego Regional Coastal Access Study, Dennis A. Prescott, CZ80:Nov 80:1662
South Padre Island Coastal Zone Management Study, W. G. Roeseler, CZ80:Nov 80:1645
Stumbling Blocks to Effective Management, H. B. Cooke, CE:Mar 80:66
Wetlands Reviews — A Califorina Experience, Hugh Converse and Jill Shapiro, CZ80:Nov 80:1829

Management Systems

Matrix Management May Meet Your Needs for the 80s, Robert J. Cardinal, EI1:Jan 80:27:15157
A Structural Resource Management System, Daniel C. Kaufman, CP80:June 80:369

Maneuverability

All Metal Loading Arms for Bulk Liquid Handling, W. Kemper, PO80:May 80:661

Maneuvering and Accidents
Tugs as Aids to the Safety of Tankers and Ports, James A. Atkinson, PO80:May 80:584

Manifolds
Dividing-Flow Manifolds with Square-Edged Laterals, Herbert E. Hudson, Jr., Robert B. Uhler and Robert W. Bailey, EE4:Aug 79:745:14764

Manpower
Construction Contract Staffing Needs, H. Randolph Thomas, Jr., Jack H. Willenbrock and James L. Burati, Jr., CO2:June 80:101:15481
Manpower Management - A Data Base Application, Edward W. Fishback, Jr., CP80:June 80:651
Race, Income and Attitude Toward Beach Cleanliness, Charles A. Heatwole and Neils C. West, CZ80:Nov 80:1684
Utilization of Contract Administration Resources, H. Randolph Thomas, Jr., Jack H. Willenbrock and James L. Burati, Jr., CO2:June 80:117:15480

Manpower Utilization
Port Planning and Economic Development, Daniel P. O'Halloran, PO80:May 80:47
State DOT Personnel Administration, H. Randolph Thomas, Jr., Jack H. Willenbrock and James L. Burati, Jr., TE3:May 80:317:15418

Mapping
Airborne Hydraulic Surveys: Mission Planning, Srinivasan Thiruvengadachari and Damal V. Rohini Kumar, SU1:Nov 80:35:15843
Alternative Approaches for Applying GIS Technology, Jack P. Dangermond and Lowell Kent Smith, SU80:June 80:97
Application of Landsat to the Inventory of Dams, Andrew R. Blystra and Raymond R. Dumas, AS80: Aug 80:54
Approximate Method for Quick Flood Plain Mapping, Roy F. Powell, L. Douglas James and D. Earl Jones, Jr., WR1:Mar 80:103:15243
Aquatic Plant Mapping by Remote Sensing, Lewis E. Link, Jr. and K. S. Long, ASDC:80:34
Atlantic Coast Ecological Inventory, 1980, J. Albert Sherk, Jr. and Larry R. Shanks, CZ80:Nov 80:206
Block Triangulation by Bundles and Stereo-Units, G. Warren Marks, Edward M. Mikhail and J. Christopher McGlone, SU1:Nov 80:1:15849
Calgary's Computer Mapping & Geographic Referencing, R. G. Conway and E. Bert Piepgrass, SU80:June 80:59
Coal, Wildlife and Remote Sensing, James R. Getter, ASDC:80:198
Coastal Erosion in San Diego County, California, Gerald G. Kuhn and Francis P. Shephard, CZ80: Nov 80:1899
Coastal Mapping Handbook, James Collins, SU1:Nov 80:23:15814
A Comprehensive Application of A Geo-Based Information System on a Region in Colorado, Ronald L. Walters, SU80:June 80:71
Computer Mapping in a Catchment Land Use Study, Kerry Michael Rosenthal, ASDC:80:224
Computer Modeling of the Great Dismal Swamp, Vincent M. Caruso and James E. Paschal, Jr., CZ80:Nov 80:2308
Data Management for a Metroplex, Kenneth B. Strange and S. E. Mangum, Jr., SU80:June 80:202
Eigenvalues for $\Delta\phi+\lambda\phi=0$ in Regular Polygons, Peter Bettess, TN: EM6:Dec 80:1433:15871
An Engineering View of CAMRAS, William Bathke, SU80:June 80:233
Geographic Data Bases, Richard E. Cornish, CP80: June 80:660
Geographic Land and Data System (GLADS), John C. Herring, Preprint No.80-064, Apr 80, 12pp.
Improved Watershed Management using Remote Sensing, Albert Rango, IRKB:July 80:1019
Issues in Mapping Atlantic Coastal Ecological Data, Paul R. Adamus, Thomas E. Bigford and James R. Hynson, CZ80:Nov 80:160
Land Records Management In North Carolina, Donald P. Holloway and Ronald F. Scott, SU80: June 80:33
Landsat Image Processing and Mapping Techniques and Their Utility for Civil Engineering Applications (Abstract), Donald R. Morris-Jones and Mervyn B. Walsh, AS80:Aug 80:182
Major Mapping Activities in the Coastal Zone, Peter F. Bermel, CZ80:Nov 80:2380
Making Maps by Computer—City and Utilities Team Up in Pioneer Effort, CE:Feb 79:56
Map Content and Symbols: Chapter V of Proposed Manual on Map Uses, Scales, and Accuracies for Engineering and Associated Purposes, Robert P. Jacober, Jr., SU1:Nov 80:41:15851
Mapping America is Never-Ending Task for USGS, Morris M. Thompson, CE:Feb 79:77
Mapping and Surveying Florida's Submerged Lands, George M. Cole, CZ80:Nov 80:549
Mapping Little Blue Run Impoundment Project, Roger C. Poe and Dennis W. Okorn, SU1:Nov 79: 51:14958
Mapping Massachusetts Wetlands, Robert W. Foster, SU1:Nov 80:95:15818
Moreton Region Non-Urban Land Use Study, Robert Cormack, ASDC:80:233
Photobathymetry, James Collins, ASDC:80:82
Photogeodesy, James Collins, ASDC:80:309
Proposed Manual on Selection of Map Uses, Scales, and Accuracies for Engineering and Associated Purposes: Map Availability—Chapter VI, Robert L. Brown, SU1:Nov 80:149:15856
Quantitative Chlorophyll Mapping Using Ultra-Narrow Band Airborne Photography (Abstract), Edward Wedler, AS80:Aug 80:53
Rate of Change Methods in Astronomical Surveying, Raphael F. Rish, SU1:Nov 80:137:15837
Remote Sensing for Water Resource Surveys, R. H. Kinsey, ASDC:80:55
RMLR: What It Means to the Civil Engineer, Joel N. Orr, SU80:June 80:229
Sensitivity Ranking of Energy Port Shorelines, Miles O. Hayes, Erich R. Gundlach and Charles D. Getter, PO80:May 80:697
A Standard for Symbology on Engineering Scale Maps, Robert P. Jacober, Jr., Preprint No.80-060, Apr 80, 8pp.
Surface Temperature Mapping by NOAA-5 Satellite, Siamak Khorram and H. Gregory Smith, ASDC:80: 286
Surveying and Mapping Research 1978-1988: An Overview, Morris M. Thompson, SU1:Nov 79:43: 14957
System Calibration of Metric Cameras, Kunwar K. Rampal, SU1:Nov 78:51:14157
The Use of B&W and C.I.R. Photography at M.D.O.T., Robert R. Green, AS80:Aug 80:140
Use of Digital Terrain Data in Topographic Analysis, Siamak Khorram and H. Gregory Smith, ASDC:80: 368
The USGS Centennial: From Mining to Mapping the Moon, Mary Rabbitt and Virginia Fairweather, CE: Feb 79:68
USGS Digital Cartographic Applications Program, Robert B. McEwen, SU1:Nov 80:13:15846
WAMS: A Computer-Based Mapping and Data Base Management System, Harry A. Niedzwaiadek and George R. Hoffman, ASDC:80:359
Washington's Automated Coastal Data Base: The Coastal Zone Atlas, Sue Wenke and Marc Horton, CZ80:Nov 80:2291
Water Pipeline Location, S. J. O'Keefe, ASDC:80: 131
Water Temperature Mapping by Infrared Scanner, James B. Evans, AS80:Aug 80:118
Wetlands Reviews — A Califorina Experience, Hugh Converse and Jill Shapiro, CZ80:Nov 80:1829
Wetland Surveying and Mapping, Carvel H. Blair, SU1:Nov 79:23:14953

Maps
Development of Expectancy Maps and Risk Analysis, Neville C. Donovan, Bruce A. Bolt and Robert V. Whitman, ST8:Aug 78:1179:13972

Environmental Optimization of Power Lines, Spyros Economides and Manijeh Sharifi, EE4:Aug 78:675: 13951
General Permits: Method of Criteria Development, James W. Holton, Jr., CZ80:Nov 80:1026
Map Content and Symbols: Chapter V of Proposed Manual on Map Uses, Scales, and Accuracies for Engineering and Associated Purposes, Robert P. Jacober, Jr., SU1:Nov 80:41:15851
A New Manual on Map Uses, Scales, and Accuracies, Carl B. Feldscher, SU1:Nov 80:143: 15853
Proposed Manual on Selection of Map Uses, Scales, and Accuracies for Engineering and Associated Purposes: Map Availability—Chapter VI, Robert L. Brown, SU1:Nov 80:149:15856

Marinas
Boating: Challenged by Coastal Regulations, Susan H. Anderson, CZ80:Nov 80:104
Design Criteria for Floating Tire Breakwaters, Volker W. Harms, WW2:May 79:149:14570
Effects of Planform Geometry on Tidal Flushing and Mixing in Marinas, Ronald E. Nece and Eugene P. Richey, Preprint No.80-039, Apr 80, 21pp.
Expediting The Coastal Approval Process, Jeffrey A. Layton and Peter L. Buck, CZ80:Nov 80:1998
Fish, Flushing, and Water Quality: Their Roles in Marina Design, Rick D. Cardwell, Ronald E. Nece and Eugene P. Richey, CZ80:Nov 80:84
General Permits: Method of Criteria Development, James W. Holton, Jr., CZ80:Nov 80:1026
Innovative Design Concept for Hydraulic Circulation of Small-Craft Harbors, Jeffrey A. Layton, Preprint No.80-137, Apr 80, 15pp.
Multi-Modal Transportation in Hawaii, E. Alvey Wright, MGC:July 80:1
Providing Public Waterfront Access in Maryland, Kathy H. Fitzpatrick, Trisha A. Bednarz and Earl H. Bradley, Jr., CZ80:Nov 80:1406
Simulated Circulation and Sedimentation in Marinas, David R. Askren, Preprint No.80-107, Apr 80, 10pp.
Small Craft Harbor Evaluation, Phillip Alan Cline, CZ80:Nov 80:942
Tidal Hydraulics in Estuarine Channels, Robert M. Snyder, HY2:Feb 80:237:15202
Visual Impacts of Port Development in Seattle, Iain M. Robertson and William G.E. Blair, CZ80:Nov 80:917
Waterfront Master Plan for Kenosha, Wisconsin, J. William Allen, Thomas W. Wood and Ian J. McAlister, CZ80:Nov 80:267

Marine Animals
A Local Endangered Species Program — Florida Manatee, *Trichechus manatus*, Diane D. Barile, CZ80:Nov 80:186

Marine Clays
Dynamic Properties of Two Marine Clays, Demetrious C. Koutsoftas and Joseph A. Fischer, GT6:June 80:645:15499

Marine Engineering
The Impact of Hydrocarbon Emission Controls on Marine Design, Joseph G. Zabaga, PO80:May 80: 677
Marine Ecosystem Management, George W. Robertson, CZ80:Nov 80:72
Marine Sanctuaries, A Controversial Concept, John K. Cassell, CZ80:Nov 80:1959
Marine Sanctuary Institutional Analysis, Brian J. O'Sullivan, CZ80:Nov 80:1979
Marine Turtles and Problems in Coastal Management, John G. Frazier, CZ80:Nov 80:2395
Proposed Gray's Reef Marine Sanctuary: A Case Study, Carrol N. Curtis and Jeannette H. Phillips, CZ80:Nov 80:1969

Marine Plants
Scientific Collecting in South Florida: Problems with Permits, Eugene A. Shinn, CZ80:Nov 80:2017

Marine Terminals
Bottom Supported Terminal — Dravo Preload Concept, D. S. Hill, PO80:May 80:316
The CEIP: An Ohio Perspective, Michael L. Adams, CZ80:Nov 80:612
Coastal Siting of Hazardous Waterfront Facilities, Paul C. Golden, CZ80:Nov 80:562
Deepwater Bottom Supported "Condeep" Terminal Design, Leif G. Larsen and John M. MacDonald, PO80:May 80:339
Design of an LNG Terminal in Canada's High Arctic, Alvin F. McDonald, PO80:May 80:489
Development of a North Sea Oil Terminal, Iain M. Robertson, CZ80:Nov 80:2066
Evaluation of Three Offshore LNG Terminal Designs for Southern California, Edgar Rust, PO80:May 80: 352
Fender System Requirements at Open-Sea Berths, Bela Koman, PO80:May 80:520
Floating Terminal for Storage and Sendout of LNG, Gene Anspach, Robert Baseler and Rolf Glasfeld, PO80:May 80:296
LNG/LPG Terminal Safety, John J. Closner, Henry J. Kuss, Jerry L. Lott and J. D. Porricelli, PO80: May 80:469
Marine Fender Specifications, Robert A. Young, PO80:May 80:547
The Pactex Project: Any Lessons Learned?, Richard M. Donaldson and F. Harlan Flint, Jr., CZ80:Nov 80:365
Port Reception Facilities and the Coastal Zone, Henry S. Marcus, CZ80:Nov 80:1594
Site Studies, Coastal/Geotechnical Aspects, Ralph H. Cross, George B. Tirey and Jin H. Kim, PO80:May 80:429
Specialized Fender System Requirements and Design, Robert L. Beach and Noel B. Davis, PO80:May 80: 534
Technical Aspects of Marine Terminal Simulation, P. E. Thompson and T. M. Davis, PO80:May 80:256

Marine Transportation
Alyeska — Crude Loading Port, Ernest W. Brumitt and David G. Dixon, PO80:May 80:218
Maritime Risk and Coastal Zone Management, Justus R. Riek, CZ80:Nov 80:575
Overview of DOE Programs for Energy Efficiency in Transportation, Richard T. Alpaugh and James S. Moore, MGC:July 80:148

Marketing
Federal Regulations and Professional Practice, Seymour S. Greenfield, El4:Oct 79:219:14916
Improving Parking Efficiency through TSM, Larry John Matel, TE1:Jan 80:11:15131
The Japanese Travel Market, Kaysuya Nohara, MGC:July 80:28
Marketing Analysis for A/E Firm, Donald A. Dupies, El1:Jan 80:11:15155
Maryland's Coastal Fisheries Program: An Overview, Mark M. Bundy, CZ80:Nov 80:931
Modeling the Cumulative Onshore Effects of Offshore Oil and Gas Development, E. T. Smith and L. G. Hecht, Jr, CZ80:Nov 80:2083
Recent Safety Developments in Vehicles, King K. Mak, HW80:Mar 80:199

Market Research
Concept to Commissioning: How Risky the Trip?, Chauncey E. Burtch, CRLS:Jan 79:1-7
Mode Alternatives for Serving Rail Freight Users, Benjamin S. Zodikoff, MGC:July 80:129

Markov Chains
Stochastic Approach to Waste Treatment Planning, Roger D. Hansen, A. Bruce Bishop and Rangesan Narayanan, WR1:Mar 80:275:15265

Marshes
Endangered Species Coordination for Los Angeles Harbor, Daniel Muslin and Charles H. Fisher, CZ80:Nov 80:891
Influences on Plans for the Santa Ana River Channel Mouth, Fala Powers, CZ80:Nov 80:1173

The Issue of Freshwater Inflow to Estuaries, Norman G. Benson, CZ80:Nov 80:1147
Nutrient-Uptake Model in Marsh Ecosystems, Lawrence A. Burns and R. Bruce Taylor, III, TC1: Apr 79:177:14540
A Planning Procedure for the East Everglades, Narendra Juneja, CZ80:Nov 80:1574
Protecting Suisun Marsh — 85,000 Acres of Habitat, William J. Kockelman and Jeffry S. Blanchfield, CZ80:Nov 80:1138

Maryland
Baltimore Borrows Bridge Beams, CE:June 80:66
Baltimore: Public Involvement as Part of Planning, Sandra S. Lippman, CAAA:Nov 79:369
Coastal Storm Tide Frequency, Virginia to Delaware, Vance A. Myers and Francis P. Ho, HYUS:June 80:74
Cross-Borehole Observation of Soil Grouting, Edwin F. Laine, R. Jeffrey Lytle and Justin T. Okada, GT8:Aug 80:871:15649
Data Base Development at Maryland DOT, Dennis R. Atkins, CP80:June 80:363
A Data Base System for Real Time Hydrologic Modeling, Robert M. Ragan and Jack D. Fellows, AS80:Aug 80:33
Extended Aeration Treatment at Maryland State Parks, James E. Alleman and Joanne S. Colt, EE80:July 80:175
Maryland's Coastal Fisheries Program: An Overview, Mark M. Bundy, CZ80:Nov 80:931
The Networking Approach to Coastal Zone Management, Earl H. Bradley, Jr., CZ80:Nov 80: 1504
Nonpoint Pollution from Agricultural Watersheds, James A. Ayars, John C. Inman and Gwendolyn McClung, IRKB:July 80:974
Providing Public Waterfront Access in Maryland, Kathy H. Fitzpatrick, Trisha A. Bednarz and Earl H. Bradley, Jr., CZ80:Nov 80:1406
Public Works Directors—Why Do Some Stand Out?, Philip V. Di Vietro, CE:Aug 80:68
Using Fiscal Models to Evaluate Land Plans — The Suburban Montgomery County Maryland Experience, Drew Dedrick, SU80:June 80:88

Masonry
Composite Masonry: Research Needs, Joseph A. Wintz, III and Alan H. Yorkdale, Preprint No.80-584, Oct 80, 11pp.
Differential Movement in Composite Load-Bearing Masonry Walls, Clayford T. Grimm and David W. Fowler, ST7:July 79:1277:14666
Earthquake Behavior Of One-Story Masonry Houses, Ray W. Clough, P. Gulkan and R. L. Mayes, EM81:Jan 81:517
Estimating Masonry Wall and Column Costs, Clayford T. Grimm, CO4:Dec 77:627:13413
A Finite Element Model for Composite Masonry, Subhash C. Anand and David T. Young, Preprint No.80-526, Oct 80, 16pp.
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Seismic Design of Concrete Block Masonry Shear Walls, Robert S. Englekirk and Gary C. Hart, Preprint No.80-681, Oct 80, 13pp.
Shear Strength of Concrete Masonry Joints, Ahmad A. Hamid, Robert G. Drysdale and Arthur C. Heidebrecht, ST7:July 79:1227:14670
Stress Reduction Design Factors for Masonry Walls, James Colville, ST10:Oct 79:2035:14912
Tensile Strength of Concrete Masonry, Robert G. Drysdale, Ahmad A. Hamid and Arthur C. Heidebrecht, ST7:July 79:1261:14669

Mass
Virtual Mass of Coarse Granular Media, Alim A. Hannoura and John A. McCorquodale, WW2:May 78:191:13734

Massachusetts
Barrier Beach Protection in Massachusetts, Stanley M. Humphries and Jeffrey R. Benoit, CZ80:Nov 80:1809
Combined Sewer Overflow Controls for Boston Harbor, John R. Elwood, William F. Callahan and John A. Mueller, EE80:July 80:464
Complying with the 1977 Clean Air Act in Boston, Thomas F. Humphrey, UP1:Nov 80:1:15817
Corps Takes New Approach to Flood Control, Frank Notardonato and Arthur F. Doyle, CE:June 79:65
The Dynamics of Putting It All Together for the Boston Southwest Corridor Project, Francis X. Hall and Lawrence W. Shumway, Preprint No.80-171, Apr 80, 17pp.
Esthetic Impact of Boston Central Artery Project on Urban Environment, Francis R. Sholock, UP1:Jan 79:35:14318
Mapping Massachusetts Wetlands, Robert W. Foster, SU1:Nov 80:95:15818
Wave Overtopping and Urban Stormwater Drainage In Hull, Massachusetts, Jonathan A. French, HYUS:June 80:336
Wetlands Regulations and Public Perceptions, Thomas M. Leschine and Stephen R. Cassella, CZ80:Nov 80:1789

Mass Transfer
Accurate Calculation of Transport in Two Dimensions, Forrest M. Holly, Jr. and Alexandre Preissmann, HY11:Nov 77:1259:13336
Mass Transport in Regional Groundwater Basins, Thomas G. Naymik and Lewis D. Thorson, HYCO: Aug 80:407
Model for Design of Multicomponent Adsorption Systems, John C. Crittenden and Walter J. Weber, Jr., EE6:Dec 78:1175:14230

Mass Transportation
The Dynamics of Putting It All Together for the Boston Southwest Corridor Project, Francis X. Hall and Lawrence W. Shumway, Preprint No.80-171, Apr 80, 17pp.
Existing Revenue Sources, Charles A. Krouse, UT79A:July 79:45
Honolulu Mass Transit — Past, Present, and Future, Robert R. Way, MGC:July 80:396
The Impact of the Clean Air Act on Future Transportation, John O. Hidinger, CAAA:Nov 79:7
The Long Beach Downtown Transportation Project, Wes R. Frysztacki, MGC:July 80:195
Singapore Mass Transit Study (Abstract), Robert A. Hubbard, MGC:July 80:313
Transportation Needs - Northern Mariana Islands, Robert B. Deadwyler, Sr., MGC:July 80:268
Transportation Planners Join Battle for Cleaner Air, Ann E. Seltz-Petrash, CE:Nov 79:84
Urban Transportation Financing Today, Thomas D. Larson and William C. Underwood, UT79A:July 79:5

Master Plans
Application of POA to Transshipment Terminals, A. T. Yu and Daniel Mahr, PO80:May 80:126
Development of a Dynamic Stormwater Management System, Peter E. Manz, HYUS:June 80:163
Honolulu International Airport Master Plan Study, Donald Maddison, MGC:July 80:65
Transportation Needs - Northern Mariana Islands, Robert B. Deadwyler, Sr., MGC:July 80:268
Transport Planning on Both Sides of the Pacific, Robert S. Nielson, MGC:July 80:248

Matching
Turbulence and Wind-Turbine Performance, A. Craig Hansen, TE6:Nov 80:675:15852

Materials
Constitutive Models for Engineering Materials, A. F. Saleeb and Wai F. Chen, Preprint No.80-605, Oct 80, 14pp.
Viscoplasticity of Transversely Isotropic Clays, Zdenek P. Bazant, Atilla M. Ansal and Raymond J. Krizek, EM4:Aug 79:549:14738

Materials Engineering
Compaction of Dry or Fluid-Filled Porous Materials, Michael M. Carroll, EM5:Oct 80:969:15773

Materials Estimates
Materials Availability Study of the Dickey-Lincoln Dam Site, Carolyn J. Merry, Harlan L. McKim and Edwin A. Blackey, Jr., ASDC:80:158

Materials Failure
What's Happened to the Quality of Asphalt?, Ann E. Seltz-Petrash, CE:Dec 80:43

Materials Testing
Arch Culvert Research—Phase 3, Raymond E. Davis, Henry D. Nix and Alfred E. Bacher, ST4:Apr 79: 739:14492
Oil Shale Properties by Split Cylinder Method, Ken P. Chong, John Ward Smith, Bin Chang and Sigmund Roine, GT5:May 79:595:14567

Materials Tests
Behavior of Concrete under Multiaxial Stress States, Kurt Berlin Gerstle, Helmut Aschl, Roberto Bellotti, Paolo Bertacchi, Michael D. Kotsovos, Hon-Yim Ko, Diethelm Linse, John B. Newman, Pio Rossi, Gerald Schickert, Michael A. Taylor, Leonard A. Traina, Helmut Winkler and Roger M. Zimmerman, EM6:Dec 80:1383:15945
Constitutive Models for Concrete Structures, Wai F. Chen and Edward C. Ting, EM1:Feb 80:1:15177
Craze-Yielding Structural Plastics: Toughness Measurement, Ray D. Hoffman, TC2:Dec 79:271: 15038
Expansive Roadbed Treatment for Southern Africa, D. J. Weston, SLS:June 80:339
Moment Connections Weakened by Laminations, Bruce D. Macdonald, ST8:Aug 79:1605:14776
Plasticity Solutions for Concrete Splitting Tests, Wai F. Chen and Tse-Yung P. Chang, EM3:June 78: 691:13852
Resilient Properties of Subgrade Soils, Marshall R. Thompson and Quentin L. Robnett, TE1:Jan 79:71: 14293
Strength of Connection with Buried Discontinuity, Roger L. Brockenbrough, Ronald W. Frost and Geerhard Haaijer, ST11:Nov 80:2185:15800
Tensile Strength of Concrete: Double-Punch Test, Wai F. Chen and Robert L. Yuan, ST8:Aug 80: 1673:15593
Tension Resistant Inclusions in Soils, Kamal Z. Andrawes, Alan McGown, Mohsen M. Mashhour and Ragui F. Wilson-Fahmy, GT12:Dec 80:1313: 15928
Variability of Mechanical Properties of Reinforcing Bars, Sher Ali Mirza and James G. MacGregor, ST5:May 79:921:14590

Mat Foundation Design
Post-Tensioned Foundations as Economical Alternative, Henry J. Cronin, Jr., CE:Mar 80:62
Stiffness and Damping Coefficients of Foundations, Jose M. Roesset, GTA80:Oct 80:1

Mat Foundations
Pile-Supported Polygonal Mat Foundation for Circular Tanks, Keith H. Denson, Preprint No.80-010, Apr 80, 9pp.
Stiffness and Damping Coefficients of Foundations, Jose M. Roesset, GTA80:Oct 80:1

Mathematical Models
Accuracy Assessment for Finite Element Stress Analysis, Ergin Citipitioglu, CP80:June 80:246
Adaptation of ILLUDAS for Continuous Simulation, Harry G. Wenzel, Jr. and Michael L. Voorhees, HY11:Nov 80:1795:15840
Approximate Flood Routing Methods: A Review, P. Erwin Weinmann and Eric M. Laurenson, HY12: Dec 79:1521:15057
Baker Bay Circulation by Mathematical Modeling, John A. Roberson, Howard D. Copp and Bijayananda Naik, Preprint No.80-068, Apr 80, 15pp.
Bidding Models: Truths and Comments, Michael Fuerst, CO1:Mar 76:169:11991
Border-Irrigation Hydraulics with Zero Inertia, Theodor Strelkoff and Nikolaos D. Katopodes, IR3: Sept 77:325:13189
Buildup, Strength, and Washoff of Urban Pollutants, Michael L. Terstriep, G. Michael Bender and Dennis J. Benoit, TC1:Aug 80:73:15620
Calculation of Strongly Curved Open Channel Flow, Michael A. Leschziner and Wolfgang Rodi, HY10: Oct 79:1297:14927
Calibration of Numerical Model for Harbor Waves, Herman Bomze, HYCO:Aug 80:441
C & D Canal Effect on Salinity of Delaware Estuary, Tavit O. Najarian, M. Llewellyn Thatcher and Donald R.F. Harleman, WW1:Feb 80:1:15172
Chemical Transfer into Overland Flow, John J. Ingram and David A. Woolhiser, IRKB:July 80:40
Comparison of Friedman and Gates Competitive Bidding Models, Neal B.H. Benjamin and Richard C. Meador, CO1:Mar 79:25:14408
Comparison of HEC 1 & TR 20 Programs, Muthusamy Krishnamurthy and W. Tracy Lenocker, HYUS:June 80:92
Compound Weir Discharge, Fred W. Blaisdell and Clayton L. Anderson, HY7:July 79:817:14688
Cost Interactions in Activated Sludge Systems, Michael K. Stenstrom and John F. Andrews, EE4: Aug 80:787:15627
Design Model for Thermal Effluents in Rivers, Giorgio Dinelli and Leonardo Castellano, HY3:Mar 79:197:14422
Desk Calculator Model for Wastewater Planning, Donald T. Lauria, EE1:Feb 79:113:14390
Determination of Aquifer Transport Parameters, Gunter Hibsch and Andrzej Kreft, HY9:Sept 79: 1137:14833
Dimensionless Solutions of Border-Irrigation Advance, Nikolaos D. Katopodes and Theodor Strelkoff, IR4:Dec 77:401:13400
Dynamic Mathematical Modeling of Rill Erosion, Richard A. Rohlf and Michael E. Meadows, IRKB: July 80:13
Economic Analysis of Granular-Bed Filtration, Raymond D. Letterman, EE2:Apr 80:279:15337
Erosion and Sediment Yield Models—An Overview, Walter G. Knisel, Jr., IRKB:July 80:141
Finite Element Model for Hurricane Surge and Coastal Flooding, Jing Song Wei, Hsuan S. Chen and Jerry L. Machemehl, HYUS:June 80:205
Flow Coefficients and Computer Models Reliability, A'Alim A. Hannoura, HYCO:Aug 80:366
Flow Routing in Tailwater Streams, Michael G. Ferrick, HYCO:Aug 80:192
Formulating Lake Models which Preserve Spectral Statistics, Christos Babajimopoulos and Keith W. Bedford, HY1:Jan 80:1:15137
Fracture Mechanics of Reinforced Concrete, Zdenek P. Bazant and Luigi Cedolin, EM6:Dec 80:1287: 15917
Geomorphic Study of Upper Mississippi River, Yung Hai Chen and Daryl B. Simons, WW3:Aug 79:313: 14778
Graphical Display of Watershed Management Options, Rhey M. Solomon and Larry J. Schmidt, IRKB:July 80:1026
Hydrologic Generating Model Selection, Keith William Hipel, Edward A. McBean and Angus Ian McLeod, WR2:Sept 79:223:14817
Limitations of the Axis Translation Technique, K. A. Bocking and D. G. Fredlund, SLS:June 80:117
Linear Reservoirs and Numerical Diffusion, Victor Miguel Ponce, HY5:May 80:691:15393
Longitudinal Dispersion in Rivers, Spyridon Beltaos, HY1:Jan 80:151:15118
Mathematical Model for Evaluating Extra-Ordinary Tide in Coastal Zone During Typhoon, Frederick L.W. Tang, Chuen Sheng Yang and Shing S.T. Schluchter, HYUS:June 80:215
Mathematical Model for Staged Diffuser Discharge, Dominique N. Brocard, Charles H. Beauchamp and Shih-Kuan Hsu, HYCO:Aug 80:154
Mathematical Modeling of Dissolved Oxygen in Mixed Estuaries, Yasar F. Ozturk, EE5:Oct 79:883: 14923

Mathematical Modeling of Humic Substances Removal with Activated Carbon Beds, Michael C. Lee, John C. Crittenden, Vernon L. Snoeyink and William E. Thacker, EE80:July 80:387
Mathematical Modeling of Sediment Deposition in Reservoirs, Yung Hai Chen, Jose L. Lopez and Everett V. Richardson, HY12:Dec 78:1605:14250
Mathematical Modeling of the Displacement of Preadsorbed Organics in Fixed-Bed Adsorbers, John C. Crittenden, Bryant W.C. Wong, William E. Thacker, Vernon L. Snoeyink and Richard L. Hinrichs, EE80:July 80:274
Mathematical Modelling of Indeterminate Trusses, Vernon Charles Matzen and Joseph Earlton Hardee, EM81:Jan 81:687
Mathematical Model of Border Irrigation, David W. Fonken, Thomas Carmody, Emmett M. Laursen and Delmar D. Fangmeier, IR3:Sept 80:203:15694
A Model for Slab Foundations on Expansive Soils, Stefanos S. Tsotsos, SLS:June 80:551
Model for Suspended Sediment Transport, Peter M.J. Kerssens, Adry Prins and Leo C. van Rijn, HY5: May 79:461:14574
Modeling Alluvial Channel Bed Transients, Victor Miguel Ponce, Jesus Lopez Garcia and Daryl B. Simons, HY3:Mar 79:245:14456
Modeling in Design of Pumping Pits, James Paul Tullis, HY9:Sept 79:1053:14812
Modeling Of River Floodplains As Networks, Kenneth R. Avery, CP80:June 80:286
Modeling of Storm Drainage in a Coastal City, Jerome M. Normann, HYUS:June 80:108
Modeling Pollution in Strait of Maracaibo, Gustavo Parra-Pardi, EE5:Oct 80:959:15751
Modeling Reservoir System With Pumped Storage, George F. McMahon, Vernon R. Bonner and Bill S. Eichert, WR1:Mar 80:239:15248
Modeling supplement Irrigation Water Demand, J. David Dean, IR4:Dec 80:285:15897
Modeling Two-Dimensional Circulating Flow, George H. Lean and T. John Weare, HY1:Jan 79:17:14312
Modified Broad-Crested Weirs for Lined Canals, John A. Replogle and Albert J. Clemmens, IRKA: July 80:463
Moisture Retention of Landfilled Solid Wastes, Raymond L. Huitric, Sagar Raksit and Roger T. Haug, EE80:July 80:55
The Movie System: Low Cost General Purpose Computer Graphics Software, Henry N. Christiansen and B. J. Nay, CP80:June 80:1
Nonlinear Soil Models for Irregular Cyclic Loadings, Robert M. Pyke, GT6:June 79:715:14642
Northeaster Model and Application to Coastal Flooding, Yun Jui Tsai, D. M. Crocker, T. J. Burda and Fang-Kuo Chou, HYUS:June 80:255
Numerical Analysis of Wide-Angled Diffusers in Turbulent Flow, Riccardo Sala, Pier Luigi Vivarelli and Gianni Garuti, HY5:May 80:629:15402
Numerical Simulation of Turbulent Stratified Flows in Surface Water Impoundments, Angelos N. Findikakis and Robert L. Street, HYCO:Aug 80: 249
On the Effect of the Value of the Eddy Coefficients on the Simulated Vertical Structure of Stratified Flows, Angelos N. Findikakis and Robert L. Street, HYCO:Aug 80:377
An optimum Bid Approximation Model, Paul Sugrue, CO4:Dec 80:499:15885
Organics Removal by Ion Exchange-Process Design, Christine Ann Macko and Walter J. Maier, EE80: July 80:394
Parametric-Deterministic Urban Watershed Model, William M. Alley, David R. Dawdy and John C. Schaake, Jr., HY5:May 80:679:15392
Pipeline River Crossings: A Design Method, Donald Steven Graham, TE2:Mar 80:141:15261
Pivot Point Modeling Procedures in Demand Estimation, Ashok Kumar, TE6:Nov 80:647:15809
Port Throughput Study Using Simulation Technique, Alan F. Daniell and Mahendrakumar R. Vora, PO80:May 80:282
A Predictive Model of Hurricane Wind-Waves, Rodney J. Sobey and Ian R. Young, HYCO:Aug 80:333
A Quantitative Method for Analyzing the Allocation of Risks in Underground Construction, Raymond E. Levitt, CRLS:Jan 79:II-201
Real-Time Control of Activated Sludge Process, Michael K. Stenstrom and John F. Andrews, EE2: Apr 79:245:14521
Saturation Kinetics for Preferential Nitrogen Uptake, David S. Bowles and William J. Grenney, TN: EE4:Aug 80:833:15588
Seismic Site Response of Nonlinear Soil Media, Peter W. Taylor and Thomas J. Larkin, GT3:Mar 78:369: 13597
Sensitivity Analyses of Wastewater Treatment Plant Design Parameters, Karl G. Voelkel and Lawrence B. Polkowski, EE80:July 80:307
Shear Moduli and Damping Factors of Earth Dam, Ahmed M. Abdel-Ghaffar and Ronald F. Scott, GT12:Dec 79:1405:15034
Short Thermal River Diffusers, Alfred David Parr, J. G. Melville and J. J. Dlubac, HYCO:Aug 80:131
Simulation Modeling of Primary Clarifiers, Raymond L. Alarie, Edward A. McBean and Grahame J. Farquhar, EE2:Apr 80:293:15312
Simulation of Sulfur Cycle in Estuarine Sediments, David A. Bella and Kenneth J. Williamson, EE1: Feb 80:125:15174
Simulation Program for Signalized Intersection, James E. Clark, TC1:Apr 79:163:14537
SIND Modeling for Unsteady Flow Assessments, Joel L. Caves and Robert L. Johnson, HYCO:Aug 80:281
Stochastic Design of Flow Equilization Basins, Campbell D. MacInnes, Andrew C. Middleton and Kazimierz Adamowski, EE6:Dec 78:1275:14251
Structural Damping In The Time Domain, Allen J. Bronowicki, EM81:Jan 81:833
Total Strain Theory and Path-Dependence of Concrete, Zdenek P. Bazant and Tatsuya Tsubaki, EM6:Dec 80:1151:15911
Two-Dimensional Shallow Water-Wave Models, Nikolaos D. Katopodes and Theodor Strelkoff, EM2:Apr 79:317:14532
Two-Dimensional Tidally Averaged Estuarine Model, Wen-Sen Chu and William W-G. Yeh, HY4:Apr 80:501:15345
Unconditional Stability in Convection Computations, Victor Miguel Ponce, Yung Hai Chen and Daryl B. Simons, HY9:Sept 79:1079:14807
Unsteady Flows in Water Distribution Systems, Suha Sevuk, HYCO:Aug 80:228
Urban Runoff Management: Future Modeling, Harry C. Torno, TC1:Aug 80:165:15626
Use of a Simplified Surface Runoff Model, William G. Smith, HYUS:June 80:173
Verifying Lake Transport Models with Spectral Statistics, Keith W. Bedford and Christos Babajimopoulos, HY1:Jan 80:21:15138

Mathematical Programming

Design of Steel Connections by Math Programming, Richard Douty, ST5:May 80:1135:15397
Load Management Economics with Pumped Storage, Charles R. Scherer, EY1:Apr 80:69:15314
Optimization of Stormwater Management Practices, Mark M. Calabrese, HYUS:June 80:183
Uniqueness of Solution in Limit Analysis of Structures, A. Franchi and M. Z. Cohn, EM5:Oct 78:1229:14091

Mathematics

Slurry Pipeline Design with Geometric Programming, Steven M. Rasey and Robert R. Faddick, TE6:Nov 80:815:15841
Tunnel Closure for Nonlinear Mohr-Coulomb Functions, Timothy C. Kennedy and Herbert E. Lindberg, EM6:Dec 78:1313:14245

Matrices (Mathematics)

Constraints for Axial Strains in Frames, William Weaver, Jr., ST1:Jan 80:199:15121
Doubly Curved Membrane Shell Finite Element, Carl S. Gran and T. Y. Yang, EM4:Aug 79:567:14741
Dynamic Reduction of Structural Models, Charles A. Miller, ST10:Oct 80:2097:15775

Human Orientation in Transportation Terminals, John P. Braaksma and W. Jordan Cook, TE2:Mar 80:189:15274
Seismic Analysis of Fossil-Fuel Boiler Structures, T. Y. Yang and M. I. Baig, ST12:Dec 79:2511:15063

Matrix Analysis
Forced Vibration of Beams by Eigenmatrix Method, Bennosuke Tanimoto, Kiyoshi Ishikawa and Shotaro Natsume, ST12:Dec 79:2725:15090
Matrix Management for Transportation Projects, Carl W. Goepfert, MGC:July 80:350

Matrix Methods
Extended Set of Components in Pipe Networks, M. Chandrashekar, HY1:Jan 80:133:15130
Matrix Management May Meet Your Needs for the 80s, Robert J. Cardinal, EI1:Jan 80:27:15157

Matrix Methods (Structural)
Matrix Operations on Large Computers, Caleb W. McCormick, CP80:June 80:72
Savings in Multiple Analysis by Using Finite Elements, Som P. Virk, CP80:June 80:186

Matrix Reduction
Dynamic Reduction of Structural Models, Charles A. Miller, ST10:Oct 80:2097:15775

Matrix Theory
Matrix Operations on Large Computers, Caleb W. McCormick, CP80:June 80:72
Tall Building Response to Earthquake Excitations, Jann-Nan Yang, Y. K. Lin and S. Sae-Ung, EM4: Aug 80:801:15642

Mats
Analysis of Partially Uplifted Base Mats, Jgi-Jiang Shiau, EY1:Jan 79:9:14297
Stiffness and Damping Coefficients of Foundations, Jose M. Roesset, GTA80:Oct 80:1

Maximum Probable Flood
Automatic Water-Level Control in South Africa, Klaus Merensky and Dysson Hopkins, HY11:Nov 79:1415:14992
Synthetic Hydrologic Information - A Case Study, Krishan P. Singh, HY10:Oct 79:1257:14922

Meandering Streams
Response to a Changing Coastal Environment, Kenneth C. Caldwell, CZ80:Nov 80:1228

Meanders
Calculation of Strongly Curved Open Channel Flow, Michael A. Leschziner and Wolfgang Rodi, HY10: Oct 79:1297:14927

Measurement
Damping Measurements Of Tall Structures, George T. Taoka, EM81:Jan 81:308
A Modernized Metric System — SI — The American Choice, Cornelius Wandmacher, Preprint No.80-591, Oct 80, 14pp.
Suspension Bridge Vibrations: Computed and Measured, Peter Graham Buckland, Roy Hooley, Brian D. Morgenstern, Johann H. Rainer and Aegide M. van Selst, ST5:May 79:859:14557

Measuring Instruments
Ambient Vibration Tests of Suspension Bridge, Ahmed M. Abdel-Ghaffar and George W. Housner, EM5:Oct 78:983:14065
Arch Culvert Footing Movements, Raymond E. Davis, Henry D. Nix and Alfred E. Bacher, ST4: Apr 79:729:14491
Hydrologic Networks: Information Transmission, William F. Caselton and Tahir Husain, WR2:July 80:503:15572
Laboratory Measurement of Sediment by Turbidity, Peter R.B. Ward and Remigio Chikwanha, HY6: June 80:1041:15470
Layout Techniques for Little Blue Run Dam, Duane R. Church, SU1:Nov 79:1:14946
Self-Boring Pressuremeter Study of San Francisco Bay Mud, G. Wayne Clough and Gordon M. Denby, GT1:Jan 80:45:15148
Water Retention Measurement for Soils, Charles Su and Royal H. Brooks, IR2:June 80:105:15483

Mechanical Engineering
Mechanical-Structural Interface in Building Design, Tseng-Yao Sun, ST3:Mar 79:539:14447

Mechanical Properties
Nonlinear Material Models for Fabric, Rene B. Testa and Norris Stubbs, CP80:June 80:195

Mechanics
Elasto-Plastic Torsion of Axisymmetric Bars, Rafik Y. Itani, EM1:Feb 79:1:14367
Shear Transfer Model for Reinforced Concrete, Michael N. Fardis and Oral Buyukozturk, EM2: Apr 79:255:14507
Thermal Effects on Load Capacity of Concrete Slabs, Nestor R. Iwankiw, ST7:July 79:1417:14667

Membrane Processes
Resistance Of Hardened Box-Type Structures, Theodor Krauthammer, EM81:Jan 81:713

Membranes
Doubly Curved Membrane Shell Finite Element, Carl S. Gran and T. Y. Yang, EM4:Aug 79:567:14741
Membrane Penetration and Its Effect on Pore Pressures, Manfred Kiekbusch and Bernd Schuppener, GT11:Nov 77:1267:13331
Orthotropic Membrane for Tall Building Analysis, Kinh H. Ha, Paul P. Fazio and Osama Moselhi, ST9:Sept 78:1495:14033
Stresses in Floating Roofs, Howard I. Epstein and John R. Buzek, ST5:May 78:735:13740
Tension Resistant Inclusions in Soils, Kamal Z. Andrawes, Alan McGown, Mohsen M. Mashhour and Ragui F. Wilson-Fahmy, GT12:Dec 80:1313: 15928
Virus Concentration by Ultrafiltration, Yael Rotem-Borensztajn, Eliyahu Katzenelson and Georges Belfort, EE2:Apr 79:401:14536

Membranes (Linings)
Environmental Problems and Products, Philip V. DiVietro, CE:Sept 79:94

Membranes (Roads)
Expansive Roadbed Treatment for Southern Africa, D. J. Weston, SLS:June 80:339
The Pretreatment of Clay Soils for Road Construction, D. H. van der Merwe, F. Hugo and A. P. Steyn, SLS:June 80:361

Memoirs of Deceased Members
See name of member in Name Index

Mercury
Pore Distribution and Permeability of Silty Clays, Ignacio Garcia-Bengochea, Charles William Lovell and Adolph G. Altschaeffl, GT7:July 79:839:14686

Metal Containing Organic Compounds
Comparative Metals Precipitation Techniques, Lynn P. Croy and William R. Knocke, EE80:July 80:534
Metals Removal from Wastewater Sludges with Liquid-Ion Exchange, David A. Cornwell and Gary C. Cline, EE80:July 80:540

Metal Detectors
Indirect Techniques for Investigating Hazardous Waste Burial Sites, Richard C. Dorrler, EE80:July 80:576

Metal Finishing
Filtration for Treating Metal-Finishing Wastes, Charles H.H. Yeh and Mriganka M. Ghosh, EE80: July 80:546
Pretreatment Case Studies of Metal Finishers, John E. Eason, EE80:July 80:229

Metals
End Restraint and Column Stability, Wai F. Chen, ST11:Nov 80:2279:15796
Heat Treatment and Vacuum Filtration of Metal-Laden Municipal Sludge, Bert L. Michalczyk and Ronald F. Wukasch, EE80:July 80:25
New Aluminum Structural Materials for the 1980's, William F. Bates, Jr., TE6:Nov 80:845:15859
Research Needs in Stability of Metal Structures, Reidar Bjorhovde, ST12:Dec 80:2425:15926

Meteorological Data
Characterization of Ozone Episodes in Urban Air, Richard A. Wadden, Edgar D. Ross and Jimmie E. Quon, EE4:Aug 79:621:14733

Meteorology
Applications of Advanced Airborne Reconnaissance Instrumentation Systems (Abstract), Robert C. Sheets, MGC:July 80:364
Environmental Data Collection Via the Global Meteorological Satellite System for Water Management and Control, Warren L. Sharp, ASDC:80:316
An Evaluation of a Cloud Seeding Program in Utah, Don A. Griffith, IRKA:July 80:107
Improved Hydrologic Forecasting—Why and How, William P. Henry, Chmn., EFHYF:Mar 79
Interstorm Relations in Pacific Northwest, Ralph H. Frederick, HY12:Dec 78:1577:14255
Managing Snowpack Augmentation Research, Olin H. Foehner, IRKA:July 80:85
Meteorological Impacts on Urban Sulfate Levels, William A. Turner and Constantine J. Gregory, EE2:Apr 80:311:15348
Organizations Involved In Weather Modification, Conrad G. Keyes, Jr., IRKA:July 80:97
Precipitation Forecasting at a National Center, David A. Olson, EFHYF:Mar 79:199
Session III—Meteorology and Hydrology, Roger A. Amisial, EFHYF:Mar 79:419
Water Supply Forecasting in California - 1976-78, Charles H. Howard, EFHYF:Mar 79:285

Methane
Digester Gas Utilization Programs, Raymond R. Rimkus, John M. Ryan and Alfred J. Michuda, EE6:Dec 80:1071:15902
How to Remove Trihalomethanes from Drinking Water, Robert C. Siemak, R. Rhodes Trussell, Albert R. Trussell and Mark D. Umphres, CE:Feb 79:49
Methane Migration Around Sanitary Landfills, Charles A. Moore, Iqbal S. Rai and Ayad A. Alzaydi, GT2:Feb 79:131:14372
Modeling Toxicity in Methane Fermentation Systems, Gene F. Parkin and Richard E. Speece, EE80:July 80:288

Methanols
Alcohol Fuel Impacts Upon Energy Conservation and Air Quality, J. Barrett Pullman, CAAA:Nov 79:341

Methodology
Optimal Design of Arches Using the Complex Method, Samuel L. Lipson and Muhammad I. Haque, ST12:Dec 80:2509:15947
Work Sampling Programs: Comparative Analysis, H. Randolph Thomas, Jr. and Mason P. Holland, CO4: Dec 80:519:15879

Metric System
Has Metrication Run Out of Gas?, Michael J. Bartos, Jr., CE:Aug 79:49
Metrication at the Water and Power Resources Service, Edward R. Lewandowski, Preprint No.80-086, Apr 80, 11pp.
Metrication of Structural Steel, Phillip A. Speer and Harold L. Taylor, Preprint No.80-149, Apr 80, 21pp.
A Modernized Metric System — SI — The American Choice, Cornelius Wandmacher, Preprint No.80-591, Oct 80, 14pp.
Technical Aspects of Metric Construction, Edward R. Lewandowski, Preprint No.80-516, Oct 80, 12pp.
What the Construction Industries Think of Metrication?, A. Fattah Chalabi and Frank E. Vanzler, Preprint No.80-513, Oct 80, 13pp.

Mexico
Mexican Pacific Coast Airport System, Rodolofo Felix Valdes, Francisco J. Jauffred and Jesus Acosta Flores, MGC:July 80:378
Multimillion-Acre Tea Bag, George Svenson, CE:Feb 80:47

Michigan
Citizen Participation in Traffic Safety, Richard F. Beaubien, Preprint No.80-582, Oct 80, 8pp.
Examples of Good Local Programs—Oakland Co., Mich., Bruce B. Madsen, HW80:Mar 80:190
Flood Flow Frequency by SCS-TR-20 Computer Program, Vaiyapuri Danushkodi, HY9:Sept 79: 1123:14818
Michigan's System for Improved Highway Safety, Donald E. Orne, HW80:Mar 80:19
Temporal Stability of Modal Choice Models, Robert L. Smith, Jr., TE3:May 79:263:14565
Urban Riverfront Expansion, D. B. Robbins, J. M. Armstrong, C. L. Kureth, Jr., D. V. Pratt and T. V. Dobson, CZ80:Nov 80:236
The Use of B&W and C.I.R. Photography at M.D.O.T., Robert R. Green, AS80:Aug 80:140

Microporosity
Dual Rate Kinetic Model of Fixed Bed Adsorber, Russell G. Peel and Andrew Benedek, EE4:Aug 80: 797:15638

Microscopy
Microscopic Study of Mechanisms in Soils, Tamotsu Matsui, Tomio Ito, James K. Mitchell and Nobuharu Abe, GT2:Feb 80:137:15221

Microwave Sensors
Satellite Microwave Remote Sensing of Hurricanes, W. Linwood Jones, Peter G. Black and John C. Wilkerson, Preprint No.80-642, Oct 80, 14pp.

Migration
Numerical Simulation of Gas Flow in Sanitary Landfills, Angelos N. Findikakis and James O. Leckie, EE5:Oct 79:927:14896

Mine Drainage
Kinetic Model for Flocculation with Polymers, Peter M. Huck and Keith L. Murphy, EE4:Aug 78:767: 13950
Simulation Model for Open Pit Mine Dewatering, Catherine Kraeger-Rovey, HYCO:Aug 80:107
Southern Illinois Mine Waste Control Plan: A Summary, William C. Pisano and Gerald L. Aronson, EE1:Feb 80:55:15167

Mineral Analysis
Railroad Ballast Load Ranking Classification, Gerald Patrick Raymond and Vishnu A. Diyaljee, GT10: Oct 79:1133:14900

Mineralogy
Construction on Expansive Rock, K. L. Logani, SLS: June 80:496

Mines (Excavations)
Reclamation of Abandoned Mine Site, James R. Johnson, EE3:June 79:597:14629

Mine Wastes
Composite Water Movement in a Sloping Phosphate Mine Dump, Roland W. Jeppson and Eugene E. Farmer, IRKB:July 80:855
Hydrologic Parameter Distribution on a Mine Spoil, A. S. Rogowski, IRKB:July 80:764
Interactions of Mine and Mill Waste with Natural Earth Materials, Jerry B.F. Champlin, Preprint No.80-559, Oct 80, 8pp.

The Occurrence and Prediction of Acid Drainage, Frank T. Caruccio, Gwendelyn Geidel and Mike Pelletier, Preprint No.80-658, Oct 80, 14pp.
Phosphate Mine Dump Hydrology, Eugene E. Farmer, IRKB:July 80:846
Snow-Erosion Relationships on Mine Waste Dumps, Myron Molnau and Edward Chacho, IRKB:July 80: 877
Southern Illinois Mine Waste Control Plan: A Summary, William C. Pisano and Gerald L. Aronson, EE1:Feb 80:55:15167

Minicomputers
Distributed Data Entry and Processing, Joseph P. Harrison, CP80:June 80:614
Microprocessor Traffic Controllers, Joseph Roehl, CP80:June 80:548
Structural Analysis on Microcomputers, Craig M. Bennett, Jr. and Barry J. Goodno, CP80:June 80: 488

Minimum Weight Design
Minimum Weight Design, Ernest E. Nester and Furman W. Barton, Preprint No.80-503, Oct 80, 13pp.
Minimum-Weight Design of Nonuniform Beams, Erling A. Smith, TN: ST7:July 79:1559:14664
Primal and Dual Methods in Structural Optimization, C. Fleury and Lucien A. Schmit, ST5:May 80:1117: 15431

Mining
Chemical Flocculation in Coal Mine Sediment Ponds, John S. Tapp, Billy J. Barfield and Edward G. Foree, IRKB:July 80:615
Composite Water Movement in a Sloping Phosphate Mine Dump, Roland W. Jeppson and Eugene E. Farmer, IRKB:July 80:855
Cut Slope Stabilization Using Rock Bolts, Bruce M. Camlin, Gerald L. Branthoover and James W. Richards, TE1:Jan 79:31:14292
Design for Erosion Loss Studies on Disturbed Lands, W. Russell Hamon and James V. Bonta, IRKB:July 80:27
A Design Model for Sediment Control on Mined Lands, Billy J. Barfield, L. G. Wells, B. Wilson, John S. Tapp and R. A. Uhl, IRKB:July 80:628
Gravel Mining and Land Development Can Go Hand in Hand, Harold F. Bishop and Bruce E. Hanna, CE:Feb 79:65
High Altitude Photos for Inactive Mines, Jan P. Berger and Warren R. Philipson, SU1:Nov 80:27: 15815
Kinetic Model for Flocculation with Polymers, Peter M. Huck and Keith L. Murphy, EE4:Aug 78:767: 13950
Phosphate Mine Dump Hydrology, Eugene E. Farmer, IRKB:July 80:846
Phosphate Mining in Southeast Idaho, Edward B. Connors, IRKB:July 80:867
The Physical Impacts of Sand Removal From Rivers, Jimmy F. Harp and Joakim G. Laguros, IRKA:July 80:180
The Regulation of Mine Waste Disposal, Bruce C. Vandre, IRKB:July 80:898
Snow-Erosion Relationships on Mine Waste Dumps, Myron Molnau and Edward Chacho, IRKB:July 80: 877
Surface-Mining Legislation and Regulation, Jerome P. Harper, EE1:Feb 80:145:15170
Unsaturated Flow Beneath Tailings Impoundments, David B. McWhorter and John D. Nelson, GT11: Nov 79:1317:14999
The USGS Centennial: From Mining to Mapping the Moon, Mary Rabbitt and Virginia Fairweather, CE: Feb 79:68

Minnesota
Duluth Sanitary District First in U.S. to Take Charge of Both Sewage and Refuse, Eugene E. Dallaire, CE:June 80:60
Strategy Evaluation — Minnesota Small Urban Areas, Katheryn Briscoe, CAAA:Nov 79:11

Minority Groups
Confusion Prevails in Federal Minority Business Efforts, Virginia Fairweather, CE:Sept 79:91
Employment Practices from a Minority's Perspective, Cordell Reed, EI3:July 79:159:14718
How NFMES Brings Minorities into Engineering, Garvey E. Clarke, EI2:Apr 79:59:14478
The Making of Minority Engineers, Lee Browne, CE: Oct 80:131
Miami Riot—Will a Phoenix Rise from Ashes?, CE: Aug 80:76
Minority Business Enterprise Efforts - Feedback From the Field, CE:Jan 80:96
Minority Entrepreneurship - The ASCE Position, George J. Kral, EI3:July 80:211:15541
Opportunities in Engineering and Construction Entrepreneurship for Minorities, ASCE Board of Direction, EI2:Apr 79:77:14520
Parity for Minorities in Engineering: Myth or Reality, Melvin Thompson, EI2:Apr 79:65:14485
Who Gives a Damn?, Arthur T. Nielsen, EI2:Apr 80: 113:15323

Mirrors
New Telescope has Innovative Structural Design, CE: June 80:76

Missiles
Assessment of Empirical Concrete Impact Formulas, George E. Sliter, ST5:May 80:1023:15411
Ductility Ratio for Slabs, Edwin G. Burdette and Dennis Bernal, ST11:Nov 78:1741:14131
Impactive Effects of Tornado Missiles and Aircraft, Anil K. Kar, ST11:Nov 79:2243:14968
Local Effects of Tornado-Generated Missiles, Anil K. Kar, ST5:May 78:809:13775
Projectile Penetration into Steel, Anil K. Kar, ST10: Oct 79:1871:14874
Structural Response of R/C Slabs to Tornado Missiles, Peter M. McMahon, Subir K. Sen, Bernard L. Meyers and Kenneth P. Buchert, ST3: Mar 79:547:14443

Missile Safety
Perforation of Reinforced Concrete Slabs, Peter P. Degen, ST7:July 80:1623:15579

Mississippi River
Big Cajun No. 2 Docks: Planning and Design, Duli C. Sharma, PO80:May 80:100
Effect of Dock Resistance on Tanker Mooring Forces, Daryl B. Simons, Yung Hai Chen and Lawrence J. Swenson, HYCO:Aug 80:419
Environmental Data Collection Via the Global Meteorological Satellite System for Water Management and Control, Warren L. Sharp, ASDC:80:316
Mississippi River Shoaling: A Diagnostic Study, Tatsuaki Nakato, Richard M. Baker and John F. Kennedy, HY11:Nov 79:1375:14978
Offshore Platforms and Pipelines in Mississippi River Delta, Robert G. Bea and Jean M.E. Audibert, GT8:Aug 80:853:15645
Physical Hydraulic Model Study of an Ice-Covered River, Robert P. Johnson and Thomas V. Kotras, HYCO:Aug 80:431
Potamology in 1932: Lower Mississippi River, Leo M. Odom, WW4:Nov 79:405:14993
Wave-Induced Slides in South Pass Block 70, Mississippi Delta, Robert G. Bea, Stephen Wright, Partha Sircar and Alan W. Niedoroda, Preprint No.80-506, Oct 80, 23pp.
Wind-Driven Flow in Mississippi River Impoundment, Heinz G. Stefan and Keith J. Anderson, HY9:Sept 80:1503:15699

Missouri
Case Study of a Hazardous Waste Disposal Facility, David E. Murray, EE80:July 80:433
Cooling Potential of Missouri River in Missouri, Arthur R. Giaquinta, HY11:Nov 80:1813:15834
Timber Harvest and Water Yields in the Ozarks, Carl D. Settergren, R. Michael Nugent and Gary S. Henderson, IRKB:July 80:661

Missouri River
Cooling Potential of Missouri River in Missouri, Arthur R. Giaquinta, HY11:Nov 80:1813:15834

Mixing
Evaluation of Compliance Criteria for River Plumes, Pauly P. Paily, HYCO:Aug 80:142
Hydraulic Modeling of Mixing in Stratified Lakes, Peter M. Moretti and Dennis K. McLaughlin, HY4: Apr 77:367:12868
Ideal Flow Patterns for Equalization Basins, Ely Anthony R. Ouano, TN: EE4:Aug 78:817:13913
Impact of Vertical Scale Distortion on Turbulent Mixing in Physical Models, Benjamin R. Roberts and Robert L. Street, HYCO:Aug 80:261
Longitudinal Dispersion in Rivers, Spyridon Beltaos, HY1:Jan 80:151:15118
Mathematical Model for Staged Diffuser Discharge, Dominique N. Brocard, Charles H. Beauchamp and Shih-Kuan Hsu, HYCO:Aug 80:154
Mixing of Buoyant Surface Jet over Sloping Bottom, Bijan Safaie, WW4:Nov 79:357:14954
Numerical Simulation of Mixing in Natural Rivers, Terrence O. Harden and Hung Tao Shen, HY4:Apr 79:393:14501
Oxygen Transfer Standard—Basin Geometry and Mixing (Abstract), Thomas C. Rooney and Ronald N. Salzman, EE80:July 80:94
Sensitivity of the Prych-Davis-Shirazi Model, Barry A. Benedict and John W. Preston, Jr., HYCO:Aug 80:322
Thermal Structure of Cooling Ponds, Gerhard H. Jirka, HY5:May 80:701:15412
Transient Mixing in River Channels, Hung Tao Shen, EE3:June 78:445:13810
Transverse Mixing Tests in Natural Streams, Spyridon Beltaos, HY10:Oct 80:1607:15731
Vertical Mixing in Stratified Tidal Flows, Nicholas V.M. Odd and James G. Rodger, HY3:Mar 78:337: 13599

Mixtures
Finite Element Schemes for Porous Elastic Media, Gerhard Krause, EM3:June 78:605:13851

Mobility
Improved Mobility for Elderly and Handicapped People, James A. Bautz, Preprint No.80-609, Oct 80, 13pp.
Soil Liquefaction and Cyclic Mobility Evaluation for Level Ground during Earthquakes, H. Bolton Seed, GT2:Feb 79:201:14380

Modal Choice
Hong Kong Comprehensive Transport Study (Abstract), Robert A. Hubbard, MGC:July 80:331
Mode Alternatives for Serving Rail Freight Users, Benjamin S. Zodikoff, MGC:July 80:129
Packaging Transportation Measures for Air Quality, John H. Suhrbier, CAAA:Nov 79:138
Temporal Stability of Modal Choice Models, Robert L. Smith, Jr., TE3:May 79:263:14565
Work-Trip Mode-Choice Models for South Africa, Peter R. Stopher and Chester G. Wilmot, TE6:Nov 79:595:14960

Modal Distribution
Approximate Modal Analysis of Bilinear MDF Systems, Visit Tansirikongkol and David A. Pecknold, EM2:Apr 80:361:15329
Bridge Modal Indentification Problems, Gerard C. Pardoen, Athol J. Carr and Peter J. Moss, EM81: Jan 81:29
Simplified Analysis of Vertical Vibrations, Jgi-Jiang Shiau, EY2:Aug 79:251:14750
Stationary Response Of Structures With Closely Spaced Modes, Armen Der Kiureghian, EM81:Jan 81:492

Modal Split
Comparison of Cost Functions in Modal-Split Models, John R. Underwood and Gerald R. Leake, TE6:Nov 77:763:13343
Modal Split Model Considering Carpool Mode, Richard W. Lyles, TE2:Mar 79:149:14423
Mode Choice Models with Perceived Reliability Measures, Joseph N. Prashker, TE3:May 79:251: 14569

Model Basins
Dynamic Response of the hood Canal Floating Bridge, B. J. Hartz, EM81:Jan 81:16

Models
Accuracy Assessment for Finite Element Stress Analysis, Ergin Citipitioglu, CP80:June 80:246
Accuracy of Snowmelt Runoff Estimates, Mark E. Hawley, Richard H. McCuen and Albert Rango, IRKB:July 80:347
ADAPT: The Use of Complex Models with a Geographic Data Base, Richard M. Males, SU80: June 80:215
Aerodynamic Response of Long H-Sections, Francis J. Maher and Larry E. Wittig, ST1:Jan 80:183: 15105
Aerodynamics in Air Pollution Modeling, Hua Wang and Henry Liu, TE2:Mar 80:171:15263
Air Terminal Design: Decentralization and Shape, John P. Braaksma and W. Alex Ramsay, TE6:Nov 79:699:14945
Anaerobic Digestion of Waste and Activated Sludge, James M. Gossett and Roy L. Belser, EE80:July 80:33
Analog Model for Piles in Expansive Clay, Joram M. Amir and M. S. Sokolov, SLS:June 80:582
Analysis of Soil Response with Different Plasticity Models, E. Mizuno and Wai F. Chen, Preprint No.80-637, Oct 80, 14pp.
Aquifers: Finite-Element Linear Programming Model, K. Elango and Gerhard Rouve, HY10:Oct 80:1641: 15734
Bouyant Jet Behavior Near the Maximum Rise, Roger B. Wallace and Steven J. Wright, HYCO: Aug 80:356
Calibrating the Chesapeake Bay Circulation Model?, Raymond Walton, M. A. Granat and Robert P. Shubinski, HYCO:Aug 80:387
Captivity and Choice in Travel-Behavior Models, Peter R. Stopher, TE4:July 80:427:15566
Chattahoochee River Thermal Alterations, Harvey E. Jobson, Larry F. Land and Robert E. Faye, HY4: Apr 79:295:14499
Coastal Flooding of Tidal Estuaries, Shing S.T. Schluchter and M. Teubner, HYUS:June 80:275
The Coastal Land Development Process: Developer's Plights, Valinda Parker and Kent S. Butler, CZ80: Nov 80:1010
Coastal Zone Management Evaluation: Some Alternatives, John L. Kermond, CZ80:Nov 80:412
Comparison of Cost Functions in Modal-Split Models, John R. Underwood and Gerald R. Leake, TE6:Nov 77:763:13343
Constitutive Models for Concrete Structures, Wai F. Chen and Edward C. Ting, EM1:Feb 80:1:15177
Continuous Composite-Bridge Model Tests, Paul W. Botzler and James Colville, ST9:Sept 79:1741: 14824
Damping of An Offshore Platform Model By Random DEC Method, J. C. S. Yang, M. Sherif Aggour, N. Dagalakis and F. Miller, EM81:Jan 81: 819
Dependency of Astronomic Tide and Hurricane Surge, Richard A. Schmalz, Jr., HYUS:June 80:7
Development Planning and Scheduling Model, Calin M. Popescu and James A. Wilson, UP1:Jan 79:25: 14321
Drifting Snow Similitude, James D. Iversen, HY6: June 79:737:14647
Dual Rate Kinetic Model of Fixed Bed Adsorber, Russell G. Peel and Andrew Benedek, EE4:Aug 80: 797:15638
Dye-Vector Flow Visualization—Cooling Water Model, Volker W. Harms and Robert L. Wiegel, WW3:Aug 79:293:14767

Dynamic Water Quality Modeling in Southeast Florida, R. Uwe Jettmar, George K. Young, Armando I. Perez and Robert Oros, EE1:Feb 80: 105:15173
Efficient Simulation of Nonlinear Steady Flow, Gary C. Niemeyer, HY3:Mar 79:185:14420
Elastic-Plastic Model for Saturated Sand, George Y. Baladi and Behzad Rohani, GT4:Apr 79:465:14510
Elevator System Configuration Optimization, Yosef Sheffi, TE2:Mar 79:127:14448
Energy Facility Planning and Siting in the Coastal Zone, Donald E. Glass, CZ80:Nov 80:396
Establishing Ground Water Rights Using a Model, James W. Nancy and Douglas C. Kent, IRKB:July 80:117
Evaluating Hydrologic Responses to Forest Activities, Charles C. Avery and Malchus B. Baker, Jr., IRKB:July 80:485
Flood Flow Frequency by SCS-TR-20 Computer Program, Vaiyapuri Danushkodi, HY9:Sept 79: 1123:14818
Forced Plumes in a Stratified Reservoir, Brian Henderson-Sellers, HY4:Apr 78:13658
Great Lakes Storm Surge Flood Forecasting Methods, Keith W. Bedford, Mark D. Prater and Steven Dingman, HYUS:June 80:289
Groundwater Recharge: Economic Benefit Quantified, Lonnie D. Schardt, IRKB:July 80:129
Hydrologic Impact of Small Depressional Watersheds, Curtis L. Moore and Larson, IR4:Dec 80:345:15937
Laboratory Tests on Model Piled Raft Foundations, Terence J. Wiesner and Peter T. Brown, GT7:July 80:767:15576
Large-Scale Urban Modeling, Otto J. Helweg, UP2: Nov 79:89:14947
Lateral Pressure Development Under Surcharges, R. P. Joshi and R. K. Katti, SLS:June 80:227
Littoral Drift and Erosion at Belle Pass, Louisiana, Elvin J. Dantin, Charles A. Whitehurst and Warren T. Durbin, WW4:Nov 78:375:14184
Long Wave Model Independent of Stability Criteria, Gary C. Niemeyer, WW1:Feb 79:51:14345
Methodology for Calibrating Stormwater Models, Thomas K. Jewell, Thomas J. Nunno and Donald Dean Adrian, EE3:June 78:485:13812
Mode Choice Models with Perceived Reliability Measures, Joseph N. Prashker, TE3:May 79:251: 14569
Modeling Effects of Environmental Stresses due to Industrial Wastes on Gas Production by Landfill Sediments, S. Roychowdhury, L. Y. Young, D. Cox, J. Powers, J. Sharkey and M. Levandowsky, EE80:July 80:75
Modeling Framework to Address AWT Decisions, Thomas W. Gallagher and Richard P. Winfield, EE80:July 80:604
Modeling Waste Assimilation After Channelization, Edward C. Davis and Edward L. Thackston, EE80: July 80:153
Moving Boundary Numerical Surge Model, Gour-Tsyh Yeh and Fang-Kuo Chou, WW3:Aug 79:247: 14758
Multiple Configuration Curved Bridge Model Studies, Paul J. Brennan and James A. Mandel, ST5:May 79:875:14585
Multiple Objectives in Reservoir Operation, George W. Tauxe, Dean M. Mades and Robert R. Inman, WR1:Mar 80:225:15240
Nonlinear Elastic Analysis of Panelized Shear Sandwich Walls, Paul P. Fazio and Santi Rizzo, ST6:June 79:1187:14649
Nonlinear Material Models for Fabric, Rene B. Testa and Norris Stubbs, CP80:June 80:195
A Numerical Surge Model with Moving-Boundary Treatment, Michael H. Chen, David J. Divoky and Li San Hwang, HYUS:June 80:195
Offshore Wind Power Potential, Paul J. Ossenbruggen, Gerard P. Pregent and L. David Meeker, EY1:Jan 79:81:14290
A One-Dimensional Flow Model of the Potomac River, Raymond W. Schaffranek and Robert A. Baltzer, HYCO:Aug 80:292
On The Reduction Of 3D Soil-Structure Interaction Problems TO 2D Models -a1A., Asadour H. Hadjian, J. E. Luco and Hung Leung Wong, EM81: Jan 81:217
Optimizing Joint Development at Transit Stations, Ronald G. Arbogast, Snehamay Khasnabis and Kenneth S. Opiela, TE5:Sept 80:539:15709
Oxygen Transfer at Hydraulic Structures, Sean T. Avery and Pavel Novak, HY11:Nov 78:1521:14190
Parallel Canal Design for Waterfront Development, Frederick W. Morris, IV, Damodar S. Airan, Nathan Putchat and Richard S. Tomasello, Preprint No.80-649, Oct 80, 10pp.
Parameter Estimation of Streeter-Phelps Models, Sergio Rinaldi, Paolo Romano and Rodolfo Soncini-Sessa, EE1:Feb 79:75:14377
Pivot Point Modeling Procedures in Demand Estimation, Ashok Kumar, TE6:Nov 80:647:15809
Plain Concrete Underreams for Drilled Shafts, J. Steven Farr and Lymon C. Reese, ST6:June 80: 1329:15503
Prefailure and Post-Failure Soil Plasticity Models, M. M. Mehrabadi and Stephen C. Cowin, EM5:Oct 80: 991:15755
Prototype Spillway Performance Verification, Clayton L. Anderson and Fred W. Blaisdell, HY6:June 79: 707:14639
Roadside Obstacle Elimination Programs, Paul H. Wright, HW80:Mar 80:116
Sand Motion Initiation by Waves: Two Asymptotes, Robert Hallermeier, WW3:Aug 80:299:15603
A Simple Lumped-Parameter Runoff-Quality Model, William M. Alley, HYUS:June 80:236
Simplified Modeling of Transit Corridors, Uzi Landau and Yaron Fedorowicz, TE1:Jan 80:71:15103
Soil as an Anisotropic Kinematic Hardening Solid, W. D. Liam Finn and Geoffrey R. Martin, Preprint No.80521, Oct 80, 19pp.
Soil Restraint Against Horizontal Motion of Pipes, Jean M.E. Audibert and Kenneth J. Nyman, GT10: Oct 77:1119:13303
Sources of Computer Programs in Hydraulics, David R. Basco, Chmn., HY5:May 80:915:15435
Stormwater Runoff Modeling of a Planned Community, Kevin J. Smolenyak, HYUS:June 80: 378
Structural Damping In The Time Domain, Allen J. Bronowicki, EM81:Jan 81:833
The STS Method for Flood Frequency Estimation, Mark Wildermuth, HYUS:June 80:66
SWMM Application to Combined Sewerage in New Haven, Joseph A. Cermola, Sergio DeCarli, Dev R. Sachdev and Hassan M. El-Baroudi, EE6:Dec 79: 1035:15042
Techniques for Spatial Extrapolation of Wind Data, Loren D. Meeker, Paul J. Ossenbruggen and Gerard P. Pregent, EM2:Apr 80:201:15315
Tests on Microconcrete Continuous Folded Plates, Kaveti Seetharamulu and Sachchidanand N. Sinha, ST7:July 79:1457:14696
Track Gage Widening: Model Study, Allan M. Zarembski and Mostafa Rassaian, TE6:Nov 79:715: 14998
Traffic-Assignment Techniques for Smaller Cities, Robert L. Smith, Jr. and Thomas S. Brennan, TE1: Jan 80:85:15123
Transportation Cost Allocation Model Development, Walter Cherwony and Subhash R. Mundle, TE1:Jan 80:31:15139
TSM Planning for Fringe Parking Transit, Kenneth W. Wester and Michael J. Demetsky, TE3:May 79: 279:14562
Unsteady Drawdown in 2-D Water Table Aquifer, David T. Higgins, IR3:Sept 80:237:15696
Use of a Simplified Surface Runoff Model, William G. Smith, HYUS:June 80:173
Using Fiscal Models to Evaluate Land Plans — The Suburban Montgomery County Maryland Experience, Drew Dedrick, SU80:June 80:88
Verification of Non-Linear Effective Stress Model in Simple Shear, W. D. Liam Finn and Shobha K. Bhatia, Preprint No.80-520, Oct 80, 13pp.
Wastewater Risk Assessment, Neil J. Hutzler and William C. Boyle, EE5:Oct 80:919:15748

Water Supply Planning Model for West Africa, Paul H. Kirshen, WR2:Sept 79:413:14861
Work-Trip Mode-Choice Models for South Africa, Peter R. Stopher and Chester G. Wilmot, TE6:Nov 79:595:14960

Model Studies

Air Quality Modeling of A Sewage Treatment Plant, Walter G. Hoydysh and Richard P. Barth, EE80: July 80:494
Bending and Torsion Interaction of Box Girders, Conrad P. Heins and Robert S. Humphreys, ST5: May 79:891:14587
Coastal Zone Management Evaluation: Some Alternatives, John L. Kermond, CZ80:Nov 80:412
Combined Sewer Overflow Controls for Boston Harbor, John R. Elwood, William F. Callahan and John A. Mueller, EE80:July 80:464
Computer Analysis of Newtown Creek Culvert, Ching S. Chang, Julio M. Espinoza and Ernest T. Selig, GT5:May 80:531:15438
Computer Controlled Physical Model of the Sacramento River, Jaime Amorocho, William J. Hartman and Johannes J. DeVries, HYCO:Aug 80: 451
Cost Effective Water Quality Monitoring, Stanley L. Ponce, E. Thomas Bartlett and Corey P. Wong, IRKB:July 80:530
Curve Numbers from Watershed Data, Everett P. Springer, Bruce J. McGurk, Richard H. Hawkins and George B. Coltharp, IRKB:July 80:938
Dye-Vector Flow Visualization—Cooling Water Model, Volker W. Harms and Robert L. Wiegel, WW3:Aug 79:293:14767
Ecological Characterizations—An Evaluation Tool, Jay F. Watson, CZ80:Nov 80:509
Effect of Dock Resistance on Tanker Mooring Forces, Daryl B. Simons, Yung Hai Chen and Lawrence J. Swenson, HYCO:Aug 80:419
Energy Facility Planning and Siting in the Coastal Zone, Donald E. Glass, CZ80:Nov 80:396
Erosion and Sediment Yield Models—An Overview, Walter G. Knisel, Jr., IRKB:July 80:141
Erosion Modeling Approaches for Construction Sites, Richard C. Warner and Benjamin C. Dysart, III, IRKB:July 80:465
Estimating Erosion and Sediment Yield from Rangeland, Kenneth G. Renard, IRKB:July 80:164
Estimating Sediment Yield from Cultivated Fields, George R. Foster, Leonard J. Lane and Walter G. Knisel, Jr., IRKB:July 80:151
Evaluating Silvicultural Impacts on Water Resources, Gordon Snyder, IRKB:July 80:682
Floating Terminal for Storage and Sendout of LNG, Gene Anspach, Robert Baseler and Rolf Glasfeld, PO80:May 80:296
Geographic Information Systems, William E. Gates and Richard J. Heil, SU1:Nov 80:105:15826
Gravity Model Based on Perceived Traveltimes, Jerry E. Bennett, TE1:Jan 80:59:15140
Hydrographs by Single Linear Reservoir Model, John T. Pedersen, John C. Peters and Otto J. Helweg, HY5:May 80:837:15430
Increased Productivity in Place Reinforcing in Reactor Containment Structures Through the Use of Scale Reinforcing Models, Allen J. Hulshizer and Roger M. Mobley, Preprint No.80-662, Oct 80, 14pp.
Lake Process Models Applied to Reservoir Management, Wesley L. Bradford and David J. Maiero, EE5:Oct 78:981:14100
Mass Transport in Regional Groundwater Basins, Thomas G. Naymik and Lewis D. Thorson, HYCO: Aug 80:407
Modeling Framework to Address AWT Decisions, Thomas W. Gallagher and Richard P. Winfield, EE80:July 80:604
Modeling Ice Regime of Lake Erie, Akio Wake and Ralph R. Rumer, Jr., HY7:July 79:827:14694
Modeling in Design of Pumping Pits, James Paul Tullis, HY9:Sept 79:1053:14812
Modeling Nitrogen, Oxygen, Chattahoochee River, Ga., Jeffrey E. Miller and Marshall E. Jennings, EE4:Aug 79:641:14748
Modeling Sediment Filtration by Vegetative Filters, Billy J. Barfield and J. C. Hayes, IRKB:July 80:98
Modeling Suspended Solids and Associated Bacteria in Natural Water Systems, Christopher G. Uchrin and Walter J. Weber, Jr., EE80:July 80:160
Modeling Toxicity in Methane Fermentation Systems, Gene F. Parkin and Richard E. Speece, EE80:July 80:288
Modeling Waste Assimilation After Channelization, Edward C. Davis and Edward L. Thackston, EE80: July 80:153
Model Study of Circular Sheetpile Cells, James K. Maitland and Warren L. Schroeder, GT7:July 79: 805:14712
Model Study of Load Transfer in Slender Pile, Ravi P. Aurora, Edward H. Peterson and Michael W. O'Neill, TN: GT8:Aug 80:941:15639
Performance Analysis of Tethered Float Breakwater, Richard J. Seymour and Daniel M. Hanes, WW3: Aug 79:265:14755
Physical Hydraulic Model Study of an Ice-Covered River, Robert P. Johnson and Thomas V. Kotras, HYCO:Aug 80:431
Plastic Models for Structural Analysis — Facts and Fallacies, Ronald L. Bannister, Ish K. Aneja and Kazuhiro Shiraki, Preprint No.80-020, Apr 80, 20pp.
Port Capacity Determination and Planning, Ernst G. Frankel and Chang Bin Tang, PO80:May 80:193
Predicting the Spatial Variation in Erosion, William O. Rasmussen, John L. Thames and Peter F. Ffolliott, IRKB:July 80:781
Price Elasticities of Nonbusiness Air Travel Demand, Adib Kanafani, TE2:Mar 80:217:15294
Roadside Obstacle Elimination Programs, Paul H. Wright, HW80:Mar 80:116
Selection of Air-Quality Models, A. L. Wilson and T. A. Peters, TC1:Apr 79:113:14494
Sensitivity and Sensibility in Air Quality Models, Michael L. Hatmaker, CAAA:Nov 79:250
Session V—Power Forecasting, Catalino B. Cecilio, EFHYF:Mar 79:424
Simulation for Port Design and Operations, M. Kaplan and R. C. Wentworth, PO80:May 80:269
A Temperature Model for Small Mountain Streams, Shelley S. Ellis, Stanley L. Ponce and L. Eric Siverts, IRKB:July 80:494
Universal Soil Loss Equation and Rangelands, W. H. Blackburn, IRKB:July 80:588
The Use of Photochemical Grid Models to Analyze Transportation Actions, Martin H. Weiss, CAAA: Nov 79:322

Model Tests

Bintulu Malaysia LNG Project, Clemence L. Cameron and Samuel P. Lin, PO80:May 80:455
Dynamic Response Of Floating Bridge To Wave Forces, Charles H. Beauchamp and Dominique N. Brocard, EM81:Jan 81:46
Effects of Directional Sea In Model Testing, J. Kirkegaard, S. E. Sand, N.-E. Ottesen Hansen and M. Hvidberg Knudsen, PO80:May 80:597
Localized Scour Below Submerged Vertical Gates, Hilmi Dogan Altinbilek and Yakup Basmaci, HYCO:Aug 80:39
Nonlinear Modeling of Wave Runup on Sloping Beach, Jagat N. Sharma, WW2:May 79:125:14564
Stand-Off Force on Ships Moored in Strong Current, Jitendra Khanna and Torben Sorensen, PO80:May 80:731
Stress-Path Influence on Drained Deformations of Clay, Chitta R. Gangopadhyay, Subhas C. Das and Nitin N. Som, GT11:Nov 80:1243:15807
Thermal Stresses in Skew Bridge by Model Test, Fazlur Rahman and Kalankamary P. George, ST1: Jan 80:39:15112
Transverse Motion of Articulated Tower, Subrata K. Chakrabarti and Dennis C. Cotter, WW1:Feb 80:65: 15178
Uplift Testing of Model Drilled Shafts in Sand, Fred H. Kulhawy, David W. Kozera and James L. Withiam, GT1:Jan 79:31:14301

Modulus of Deformation
Effects of Stress History on Deformation of Sand, James R. Lambrechts and Gerald A. Leonards, GT11:Nov 78:1371:14170

Modulus of Elasticity
Modulus of Elasticity of Timber Members, Robert K. Wen, Bruce F. Henley and Frank J. Hsiu, TN: ST12:Dec 77:2399:13385

Mohr-Coulomb Theory
Tunnel Closure for Nonlinear Mohr-Coulomb Functions, Timothy C. Kennedy and Herbert E. Lindberg, EM6:Dec 78:1313:14245

Moisseiff Award
Awards for 1980 to be given this Month: Moisseiff Award, CE:Oct 80:146
Free Vibrations of Taut and Slack Marine Cables, Steven E. Ramberg and Owen M. Griffin, ST11: Nov 77:2079:13321
Seismic Response of Uplifting Building Frame, Arthur A. Huckelbridge, Jr. and Ray W. Clough, ST8:Aug 78:1211:13974

Moisture Content
Analog Model for Piles in Expansive Clay, Joram M. Amir and M. S. Sokolov, SLS:June 80:582
Biological Drying of Sewage Sludge—A New Composting Process, F. C. Miller, S. T. McGregor, M. S. Finstein and J. Cirello, EE80:July 80:40
Engineering Properties of Soil-Lime Mixes, Mohamed M. Aly Sabry and James V. Parcher, TE1:Jan 79:59:14278
Future Advances in Soil Placement and Improvement, J. Richard Bell, GT1:Jan 78:1:13469
Landfill Management with Moisture Control, James O. Leckie, John G. Pacey and Constantine Halvadakis, EE2:Apr 79:337:14533
Modelling Climatic Effects on Clay Beneath Slabs, Judith B. Corley, SLS:June 80:533
Moisture Retention of Landfilled Solid Wastes, Raymond L. Huitric, Sagar Raksit and Roger T. Haug, EE80:July 80:55
A Simple Method to Characterize Watershed Soils, James W. Naney and Lajpat R. Ahuja, IRKB:July 80:731
Spatial Simulation of Snow Processes, Anton G. Thomsen and W. David Striffler, IRKB:July 80:326
Summary of Panel Discussion on Testing and Prediction Methods, Leonard Krazynski, V. Escario, D. G. Fredlund, R. L. Lytton, John Holland, R. G. McKeen, Peter Mitchell and A. A.B. Williams, SLS:June 80:683
Water Use Efficiency: A Case Study In NW Nevada, Johannes C. Guitjens, IRKA:July 80:365

Moisture Density Relations
Nuclear Testing of Utility Trench Backfill, Vincent J. Perricelli, CE:Nov 79:68

Moisture Uptake
Stressed-Strained State of Expansive Soil Massifs, N. A. Tsytovich, Z. G. Ter-Martirosyan and G. Ya. Karapetov, SLS:June 80:866

Moment Distribution
Concrete Beams with Prestressed Elements, Manak B. Mawal, ST3:Mar 79:617:14463

Moments
Beams with Torsional and Flexural Loads, Thomas P. Pastor and John T. DeWolf, ST3:Mar 79:527:14461
Beam-To-Column Moment Connecttions, Paul Grundy, Ian R. Thomas and Ian D. Bennetts, ST1: Jan 80:313:15108
Biaxial Bending Simplified, Himat T. Solanki, TN: ST5:May 80:1198:15384
Bridge Analysis and Rating System, Hasmukh M. Lathia, TC1:Apr 79.211:14538
Column Base Plates with Axial Loads and Moments, John T. DeWolf and Edward F. Sarisley, ST11:Nov 80:2167:15823
Influence of Notch Dimensions on the Effective Surface Energy and Notch-Sensitivity of Cement Compounds, Shan Somayaji, FIC:Oct 80:36
Limit Analysis of Slabs with Free Edge, Kanakapura S. Subba Rao, N. Rangaiah and Balagolam V. Ranganatham, ST11:Nov 79:2419:14959
The Merging of Fuzzy and Crisp Information, Colin B. Brown, EM1:Feb 80:123:15201
Partial Composite Action in Diaphragms, Rafik Y. Itani and Girish S. Hiremath, EM4:Aug 80:739: 15624
Tables of Dimensionless Central Moments, Mircea Grigoriu, TN: EM6:Dec 80:1423:15871
Temporal Moments for Longitudinal Dispersion, Yuh Hua Tsai and Edward R. Holley, HY12:Dec 78: 1617:14266

Momentum Transfer
Interaction between Main Channel and Flood-Plain Flows, Nallamuthu Rajaratnam and Reza M. Ahmadi, HY5:May 79:573:14591
Near Field Mixing of Staged Diffuser, Joseph H.W. Lee, HY8:Aug 80:1309:15654

Monitoring
Alaska Water Quality Standards and BMPs, John D. Stednick, IRKB:July 80:721
Ambient Vibration Survey of Offshore Platform, Sheldon Rubin, EM3:June 80:425:15458
Bolt Tension Measurement from Head Strain Data, John O. Surtees and Moheeb E. Ibrahim, ST2:Feb 80:477:15195
Case Study of a Hazardous Waste Disposal Facility, David E. Murray, EE80:July 80:433
Coastal Zone Management Evaluation: Some Alternatives, John L. Kermond, CZ80:Nov 80:412
Computer Software for Grand Coulee Stabilization, David W. Harris, CP80:June 80:230
Cost Effective Water Quality Monitoring, Stanley L. Ponce, E. Thomas Bartlett and Corey P. Wong, IRKB:July 80:530
Development of a Landfill Classification System, Michael U. Flanders, CP80:June 80:239
Endangered Species: Compatibility with a Utility, J. Ross Wilcox, CZ80:Nov 80:179
Health Considerations in Construction, Ariel E. Morelli, Preprint No.80-517, Oct 80, 8pp.
Identification of CO Hot Spots in Upstate New York, Ronald J. Piracci, CAAA:Nov 79:284
Industrial Waste Monitoring: A Statistical Approach, Gerald W. Foess and Wayne St. John, EE5:Oct 80: 947:15758
IXTOC 1 Oil Spill and Atlantic Ridley Turtle Survival, Donald S. Delikat, CZ80:Nov 80:312
Monitoring a Building Designed to Settle, Henry T. Taylor and Thomas D. Wosser, Preprint No.80-529, Oct 80, 16pp.
Monitoring Large Structures by Precise Survey, Kenneth D. Robertson, ASDC:80:277
Monitoring Noxious Plant Spread in Reservoirs, Arthur R. Benton, Jr., ASDC:80:21
Monitoring on Wilderness Water Quality, Gordon Snyder, IRKB:July 80:504
Offshore Pipeline Routing: Minimizing Environmental Effects, Ann W. Gowen and Michael J. Goetz, CZ80:Nov 80:667
Phosphate Mine Dump Hydrology, Eugene E. Farmer, IRKB:July 80:846
Sea Cliff Erosion in Southern California, Louis J. Lee, CZ80:Nov 80:1919
South Fork Salmon River—Future Management, Gene F. Cole and Walter F. Megahan, IRKB:July 80:396
A Systematic Approach to Landfill Evaluation, D. Randy Junkins and Michael H. Corbin, EE80:July 80:50
Transportation System and Control Measure Analysis of Air Quality Alternatives — The Los Angeles Basin Experience, David D. Knight and James D. Kellar, CAAA:Nov 79:189
Water Quality and Wildland Resource Management, Alan F. Galbraith, IRKB:July 80:298

Monorail Railways
Dynamics and Optimal Design of AGT System, Levon Minnetyan, Richard B. Nelson and D. Lewis Mingori, ST4:Apr 80:897:15365
Torsional Analysis of Cutout Beams, Clarence W. de Silva and David N. Wormley, ST9:Sept 80:1933: 15713

Monsoons
Bintulu Malaysia LNG Project, Clemence L. Cameron and Samuel P. Lin, PO80:May 80:455

Montana
Monitoring on Wilderness Water Quality, Gordon Snyder, IRKB:July 80:504
Sediment Characteristics of the Tongue River Basin, Thomas J. Osborne and Charles B. Andrews, IRKB: July 80:114

Monte Carlo Method
Simulation for Port Design and Operations, M. Kaplan and R. C. Wentworth, PO80:May 80:269
Stochastic Simulation of Wood Load-Sharing Systems, A. Louis DeBonis, ST2:Feb 80:393:15186

Montmorillonite
Instruments for Laboratory and In Situ Measurement of the Lateral Swelling Pressure of Expansive Clays, Z. Ofer, SLS:June 80:45
New Cell For Study of Swelling Soils, Gerard Didier, Richard Kastner and Yvan Bourdeau, SLS:June 80: 18

Monuments
Land Records: Costs, Issues and Requirements, James L. Clapp and Bernard J. Niemann, Jr., SU80: June 80:1
Photogeodesy, James Collins, ASDC:80:309

Moon
The USGS Centennial: From Mining to Mapping the Moon, Mary Rabbitt and Virginia Fairweather, CE: Feb 79:68

Mooring
The Berthing of a Ship to a Jetty, H. L. Fontijn, WW2:May 80:239:15407
Bottom Supported Terminal — Dravo Preload Concept, D. S. Hill, PO80:May 80:316
Design of Statfjord B Articulated Loading Platform, Marjorie A. Prosuch, PO80:May 80:385
Effect of Dock Resistance on Tanker Mooring Forces, Daryl B. Simons, Yung Hai Chen and Lawrence J. Swenson, HYCO:Aug 80:419
Effects of Directional Sea In Model Testing, J. Kirkegaard, S. E. Sand, N.-E. Ottesen Hansen and M. Hvidberg Knudsen, PO80:May 80:597
Fender System Requirements at Open-Sea Berths, Bela Koman, PO80:May 80:520
Free Vibrations of Taut and Slack Marine Cables, Steven E. Ramberg and Owen M. Griffin, ST11: Nov 77:2079:13321
Math Model for Harbor Waves/Ship Motions/ Moorings, Herman Bomze, PO80:May 80:624
Mooring System Management, John Mascenik and Richard B. Harley, PO80:May 80:763
A New Type of Single Point Mooring: "Proud", Rene Loire, PO80:May 80:369
POL Pier Damage Investigation and Recommendations, Chinymiim Chern and James C. Wright, PO80:May 80:399
Specialized Fender System Requirements and Design, Robert L. Beach and Noel B. Davis, PO80:May 80: 534
Stand-Off Force on Ships Moored in Strong Current, Jitendra Khanna and Torben Sorensen, PO80:May 80:731
Steady and Oscillating Drift Forces on Floating Objects, Subrata K. Chakrabarti, WW2:May 80:205: 15390
Surging in the Shark River Boat Basin, J. Richard Weggel and Robert M. Sorensen, PO80:May 80: 640

Moorings
Effect of Dock Resistance on Tanker Mooring Forces, Daryl B. Simons, Yung Hai Chen and Lawrence J. Swenson, HYCO:Aug 80:419
Free Vibrations of Taut and Slack Marine Cables, Steven E. Ramberg and Owen M. Griffin, ST11: Nov 77:2079:13321
Math Model for Harbor Waves/Ship Motions/ Moorings, Herman Bomze, PO80:May 80:624
Mooring System Management, John Mascenik and Richard B. Harley, PO80:May 80:763

Morale
Improving Motivation and Productivity on Large Projects, John D. Borcherding, Scott Morse Sebastian and Nancy Morse Samelson, CO1:Mar 80:73:15272

Morphology
Hurricane Impact at Dauphin Island, Alabama, Shea Penland, Dah Nummedal and William E. Schramm, CZ80:Nov 80:1425
Modeling Channel Processes with Changing Land Use, Leonard J. Lane and George R. Foster, IRKB: July 80:200
Sediment-Morphology Relations of Alluvial Channels, Waite R. Osterkamp, IRKB:July 80:188
A Seismo-Tectonic Study of the Western Narmada Valley Using Landsat Imagery, S. N. Pandey, ASDC:80:171

Mortars
Partially Steel-Fiber Reinforced Mortar, Mohsen Mahmoudzadeh Rahimi and Clyde E. Kesler, ST1: Jan 79:101:14282
Resistance to Crack Growth in Portland Cement Composites, Methi Wecharatana and Surendra P. Shah, FIC:Oct 80:82

Mortars (Material)
Observations on Mortar Lining of Steel Pipelines, Samuel Aroni and G. Louis Fletcher, TE6:Nov 79: 667:14966

Motion
Motion Analysis of Articulated Tower, Subrata K. Chakrabarti and Dennis C. Cotter, WW3:Aug 79: 281:14766
Ship Motion Study at the Columbia River Entrance, Scott M. Noble, Preprint No.80-160, Apr 80, 18pp.
Transverse Motion of Articulated Tower, Subrata K. Chakrabarti and Dennis C. Cotter, WW1:Feb 80:65: 15178

Motion Effects
Structural Control Using Active Tuned Mass Dampers, James C.H. Chang and Tsu T. Soong, EM6:Dec 80:1091:15882

Motivation
Improving Motivation and Productivity on Large Projects, John D. Borcherding, Scott Morse Sebastian and Nancy Morse Samelson, CO1:Mar 80:73:15272
Motivating Foremen on Large Construction Projects, Nancy Morse Samelson and John D. Borcherding, CO1:Mar 80:29:15276
Motivation and Productivity of the Work Force on Large Projects, John D. Borcherding and Douglas F. Garner, Preprint No.80-170, Apr 80, 21pp.
Scat Cat: A Construction Motivational Program, John D. Borcherding and Richard L. Tucker, Preprint No.80675, Oct 80

Motivation Research
Motivating Foremen on Large Construction Projects, Nancy Morse Samelson and John D. Borcherding, CO1:Mar 80:29:15276

Motor Vehicle Inspection
An Analysis of Areawide TSM/Air Quality Actions, Tom K. Ryden and Stephen M. Howe, CAAA:Nov 79:169

The Arizona Inspection/Maintenance Program, R. Fred Iacobelli, CAAA:Nov 79:95
Comments, Tim Lynch, CAAA:Nov 79:407
Developments in Motor Vehicle Inspection/Maintenance, Thomas Cackette, Philip Lorang and David Hughes, CAAA:Nov 79:76
Impact of Future Vehicle Technology on I/M Programs, J. C. Calhoun and G. F. Blass, CAAA:Nov 79:103
Pennsylvania's Proposed Emission I/M Program, Maurice R. Devin, CAAA:Nov 79:120
Quantifying Emission Impacts of High Occupancy Vehicles, Frank C. Yu, CAAA:Nov 79:294
Trip-Based Analysis of Auto Emissions, Greig Harvey, CAAA:Nov 79:225

Motor Vehicles
Bicycle/Motor Vehicle Accidents in Kentucky, K. R. Agent, C. V. Zegeer and Robert C. Deen, TE3:May 80:283:15413
Direct Costs of Highway Travel, Kiran U. Bhatt, UT79A:July 79:19
Transportation in New Jersey and the Clean Air Act, James Newcomb, CAAA:Nov 79:114
Trip-Based Analysis of Auto Emissions, Greig Harvey, CAAA:Nov 79:225

Mountains
Timber Harvest and Water Yields in the Ozarks, Carl D. Settergren, R. Michael Nugent and Gary S. Henderson, IRKB:July 80:661
Vail Pass Highway—Respecter of Mountain Ecology, CE:June 80:70

Mountain Systems
Geomorphic Indices of Hydrologic Characteristics, James R. Maxwell and Richard A. Marston, IRKB: July 80:1

Mud
Nonlinear Behavior of Soft Clays during Cyclic Loading, Izzat M. Idriss, Ricardo Dobry and Ram D. Singh, GT12:Dec 78:1427:14265
Offshore Platforms and Pipelines in Mississippi River Delta, Robert G. Bea and Jean M.E. Audibert, GT8:Aug 80:853:15645

Multidimensional Scaling
Multidimensional Scaling in Recreational Planning, John E. Praskey, R. Keith Weaver, Edward A. McBean and Keith William Hipel, WR1:Mar 80:61:15275

Multimodal Transportation Systems
Simplified Modeling of Transit Corridors, Uzi Landau and Yaron Fedorowicz, TE1:Jan 80:71:15103

Multiple Purpose Projects
Dual-Purpose Detention Basins, William Whipple, Jr., WR2:Sept 79:403:14860
Level-B Multiobjective Planning for Water and Land, Yacov Y. Haimes, Prasanta Das and Kai Sung, WR2:Sept 79:385:14859
Water Management Improves with Systems Application, Linus B. Losh, CE:Aug 79:54
Water Resource Systems Planning in U.S.A.:1776-1976, Stephen J. Burges, WR1:Mar 79:91:14417

Multiple Purpose Structures
Modeling of Sediment Transport in Cottonwood Creek, Alan L. Prasuhn and Edward F. Sing, HYCO:Aug 80:209

Multiple Regression
Augmentation of Hydrologic Records Using Tree Rings, Charles W. Stockton and William R. Boggess, EFHYF:Mar 79:239
Discrete Dynamic Model of Watershed Sediment Yield, Tribeni C. Sharma and William T. Dickinson, HY5:May 79:555:14592

Multiple Use
Voter Reaction to Multiple-Use Drainage Projects, Thomas N. Debo and James T. Williams, WR2:Sept 79:295:14843

Multispectral
Remote Sensing Sensors for Environmental Studies, B. Sen Mathur, TE4:July 79:439:14707

Municipal Engineering
Citizens and Project Design: Management Team, John F. Metzger and David C. Colony, UP1:Nov 80:59:15855
Flood-Plain Management in Dallas, Tex.: 1908-1978, Monroe McCorkle and Albert H. Halff, HY2:Feb 79:125:14346
Minimizing Treatment Costs in Multiplant Settings, J. Jeffrey Peirce, Erhard F. Joeres and Martin H. David, WR2:July 80:427:15557
Optimal Capacity of Municipal Water Supply Pumps, Trevor C. Hughes, WR2:Sept 79:317:14846
Planning and Engineering Requirements For A Land Data System, Gunther Greulich, SU80:June 80:42
Water Lifeline EQ Engineering Practiced by Ebmud, Walter F. Anton, C080:80:125
1979 ASCE Salary Survey, Oscar R. George, Chmn., E13:July 80:275:15568

Municipal Goverament
First U.S. Van Pool — Big Success, Ann E. Seltz-Petrash, CE:Nov 79:76
How Top Officials Would Save Aging American Cities, CE:Nov 79:98
Local Wastewater Disposal — A Reassessment, John C. Henningson, Preprint No.80-049, Apr 80, 19pp.
Productivity, Performance, and Planning, Jarir S. Dajani, UP1:May 78:47:13718
Water Lifeline EQ Engineering Practiced by Ebmud, Walter F. Anton, C080:80:125
Water Quality, Energy, Legislation: Challenge of the 80's, Carmen F. Guarino, EE80:July 80:1

Municipal Wastes
Effluent Irrigation at Lubbock, Texas, Robert M. Sweazy, Heyward R. Ramsey, III and George A. Whetstone, EE80:July 80:357
Energy Recovery From Waste and Biomass—Site Specific Economic Studies, Roger C. Bales, Ira J. Wright and Lory E. Larson, EE80:July 80:582
EPA Goes to BAT Against Toxic Industrial Wastewater, Michael J. Bartos, Jr., CE:Sept 79:87
Fluoride, Nitrate, Arsenic, and Selenium Removal From Small Community Water Supplies, Dennis Clifford, Maheyar Bilimoria, Gurinder Singh and Tom Sorg, EE80:July 80:514
Groundwater and Non-Point Pollution: Key Water Quality Issues of the 1980's, Eugene E. Dallaire, CE:Sept 80:71
Land Treatment Design Based on Long-Term Operation, Daniel J. Hinrichs and Richard Thomas, EE80:July 80:355
Leachate Recycle as Landfill Management Option, Frederick G. Pohland, EE6:Dec 80:1057:15899
Municipal/Industrial Waste Landfill Simulators, James J. Walsh, Riley N. Kinman and Nancy S. Neely, EE80:July 80:62
Municipal Sewage: Three Communities Try to Cope, Allen Morrison, CE:Sept 80:90
Municipal Wastewater Treatment Plant Pioneers in Conservation Approach, Robert F. Bonner, Jr., CE: July 80:57
Numerical Simulation of Gas Flow in Sanitary Landfills, Angelos N. Findikakis and James O. Leckie, EE5:Oct 79:927:14896
Pretreatment of Sewage for Heavy Metal Removals, Ju-Chang Huang and Patrick M. McCole, EE80: July 80:236
Sewage Treatment Costs: Assessing the Impact on Communities, Lawrence B. Cahill and Heather L. Burns, EE80:July 80:191
A Ten Year Improvement in Water Quality in a Major Okanagan Valley Lake as a Result of Municipal Wastewater Phosphorus Reduction, Agris Berzins, EE80:July 80:627

Municipal Water
Alternatives for Reducing Nitrate in Municipal Supplies at McFarland, Calif., Gerald A. Guter and Ernest Kartinen, Jr., EE80:July 80:520
Fire Rehab in the Bend Municipal Watershed, Bruce P. McCammon and Dallas Hughes, IRKB:July 80: 252
Fluoride, Nitrate, Arsenic, and Selenium Removal From Small Community Water Supplies, Dennis Clifford, Maheyar Bilimoria, Gurinder Singh and Tom Sorg, EE80:July 80:514
Management of Galbraith Gap Municipal Watershed, David R. DeWalle, IRKB:July 80:1012
Metals Removal from Wastewater Sludges with Liquid-Ion Exchange, David A. Cornwell and Gary C. Cline, EE80:July 80:540
Unsteady Flows in Water Distribution Systems, Suha Sevuk, HYCO:Aug 80:228

Nails
Nonlinear Layered Timber Cylindrical Shells, Peter J. Moss, Athol J. Carr and Nicholas C. Cree-Brown, ST10:Oct 79:2019:14932

Nails (Fasteners)
Racking Strength of Light-Frame Nailed Walls, Roger L. Tuomi and William J. McCutcheon, ST7: July 78:1131:13876

Narrowband
Quantitative Chlorophyll Mapping Using Ultra-Narrow Band Airborne Photography (Abstract), Edward Wedler, AS80:Aug 80:53

Nasa
Building Skyscrapers in Orbit, Michael J. Bartos, Jr., CE:July 79:66

National Science Foundation
History of NICE, Inc., John H. Carman, Preprint No.80-602, Oct 80, 6pp.

Natural Frequency
Analysis of Earth Dam Response to Earthquakes, Ahmed M. Abdel-Ghaffar and Ronald F. Scott, GT12:Dec 79:1379:15033

Natural Gas
Recent OTA Projects and Progress, Charles W. Wixom and Jeffrey P. Cohn, TC1:Apr 79:97:14487

Natural Resources
Archeological Resources, Planning, and Construction, Are Tsirk, CO1:Mar 79:79:14439
California Impacts of World Ocean Decisions, Robert L. Friedheim and Robert E. Bowen, CZ80:Nov 80: 980
The Coast in Washington State, Charles H. Odegaard, CZ80:Nov 80:1354
Designation of All Public Rights of Way to the Tidal Areas of Rhode Island, Joseph F. Turco, CZ80:Nov 80:1386
Issues in Mapping Atlantic Coastal Ecological Data, Paul R. Adamus, Thomas E. Bigford and James R. Hynson, CZ80:Nov 80:160
Measuring Preferences for Natural Landscapes, John A. Dearinger, UP1:Jan 79:63:14308
The Networking Approach to Coastal Zone Management, Earl H. Bradley, Jr., CZ80:Nov 80: 1504
Perceiving the Unseen Value of Coastal Wetlands, James D. Sears, CZ80:Nov 80:484
Principles & Techniques for Special Area Management: The Grays Harbor & Coos Bay Experience, Gordon E. Davis, CZ80:Nov 80:761
Regional Coastal Zone Management Coordination: Dealing with Coastal Flooding on New England, Steven L. Colman, CZ80:Nov 80:1216
TNRIS Links Users to Water Related Data in Texas, David L. Ferguson, Preprint No.80-162, Apr 80, 12pp.
Transportation Planning for Southwest Alaska, Walter T. Downs, MGC:July 80:256
Water Planning and the Environment: 1776-1976, Leonard Ortolano, WR1:Mar 79:65:14413

Navigation
Geomorphic Study of Upper Mississippi River, Yung Hai Chen and Daryl B. Simons, WW3:Aug 79:313: 14778
New Coast Guard Icebreakers for the Fourth Coast, Alan S. Gracewski, CZ80:Nov 80:624
Synthetic Hydrologic Information - A Case Study, Krishan P. Singh, HY10:Oct 79:1257:14922
Systematic Evaluation of Navigation in Harbors, Ronald K. Gress and John D. French, PO80:May 80:568
What Has the U.S. Gotten Out of the Space Program?, Eugene E. Dallaire, CE:July 79:71

Navigation Dams
Thames River Flood Barrier, P. A. Cox, CE:Apr 79: 68

Nebraska
Evaluating Odor Reduction Technologies: Model, Robert C. Balling, Jr. and Carroll E. Reynolds, EE5:Oct 80:901:15743
Gabions: Economical, Environmentally Compatible Erosion Control, Max A. Burroughs, CE:Jan 79:58

Negative Friction
A Study of Downdrag on a Cast-in-Place Concrete Pile, Antal Partos, GTDF:80:311

Negative Skin Friction
Downdrag on Bitumen-Coated Piles, Mohsen M. Baligh, Vitoon Vivatrat and Heinrich Figi, GT11: Nov 78:1355:14141

Negligence
Liability in Traffic and Highway Operations, Sheldon I. Pivnik, TE4:July 79:373:14701
Public Engineers: Accountability Without Liability, Edward J. Rhomberg and Gary W. Hein, EI4:Oct 80:345:15727
Tort Liability as a Safety Incentive, James J. Stapleton, HW80:Mar 80:256

Neighborhoods
Neighborhood Traffic Controls, Martin E. Lipinski, TE3:May 79:213:14558

Netherlands
Fendering Requirements/Design Fender Impact Criteria, J. S. Balfour, J. C. Feben and D. L. Martin, PO80:May 80:504
Top-to-Bottom Construction in High-Rise Buildings, Anthony van Zutphen, CE:Mar 79:65
Wave Run-up Influence on Overtopping of Levees, Date H. Keuning and Jan B.M. van Acker, HY5: May 79:589:14588

Nets
Design of Counterstressed Cable Structures, Dennis Clarke, ST11:Nov 80:2259:15794

Network Analysis
C & D Canal Effect on Salinity of Delaware Estuary, Tavit O. Najarian, M. Llewellyn Thatcher and Donald R.F. Harleman, WW1:Feb 80:1:15172
Linear Programming Solution to Network Compression, Srilal Perera, CO3:Sept 80:315:15680
Linear Theory Methods for Pipe Network Analysis, Lewis T. Isaacs and Kevin G. Mills, HY7:July 80: 1191:15559
Pitfalls in Pipe Network Analysis Techniques, Michael A. Collins, TE5:Sept 80:507:15675

Networks
Design Specification Representation and Analysis, William Rasdorf and Steven J. Fenves, CP80:June 80:102
Development of New Features for Ices Project/I, Edmond T. Miresco, CP80:June 80:151

Forced Vibrations of Cable Networks, Louis F. Geschwindner, Jr. and Harry H. West, ST9:Sept 80: 1885:15681
Geographic Data Bases, Richard E. Cornish, CP80: June 80:660
Hydrologic Networks: Information Transmission, William F. Caselton and Tahir Husain, WR2:July 80:503:15572
Marine Cable Structures, Alain H. Peyrot, ST12:Dec 80:2391:15901
Modeling Of River Floodplains As Networks, Kenneth R. Avery, CP80:June 80:286
Multiobjective Modeling for OCS Pipeline Systems, David Engberg, Jared Cohon and Charles ReVelle, CZ80:Nov 80:684
Multiple Operating Points in Complex Pump Networks, Michael A. Collins, Leon Cooper and Jeff L. Kennington, HY3:Mar 79:229:14452
The Networking Approach to Coastal Zone Management, Earl H. Bradley, Jr., CZ80:Nov 80: 1504
Noncomputer Optimization of Single-Source Networks, Pramod R. Bhave, EE4:Aug 78:799: 13956
A One-Dimensional Flow Model of the Potomac River, Raymond W. Schaffranek and Robert A. Baltzer, HYCO:Aug 80:292
Parametric Investigations of Vibrating Cable Networks, Louis F. Geschwindner, Jr. and Harry H. West, ST3:Mar 79:465:14436
Slurry Flow in Pipe Networks, Don J. Wood, HY1: Jan 80:57:15132
Soap Films, Steiner Trees and Water Systems, Chan F. Lam and Pramod R. Bhave, HYCO:Aug 80:221
A Solute Transport Model for Tidal Canal Networks, Raymond Walton and Bent A. Christensen, HYUS: June 80:142
Telecommunications After Earthquakes, J. W. Foss and J. D. Scobee, C080:80:134
A Transportation System Optimization Model, Paul M. Schonfeld, CP80:June 80:530
Trilateration Adjustment by Finite Elements, Naguib F. Danial and Theodor Krauthammer, SU1:Nov 80: 73:15812
Using Design Specifications for Design, Neal M. Holtz and Steven J. Fenves, CP80:June 80:92

Neutralization

Treating Industrial Wastewater of Varying Quality and Quantity, Sydney H. Stilley, EE80:July 80:553

Nevada

Water Use Efficiency: A Case Study In NW Nevada, Johannes C. Guitjens, IRKA:July 80:365

New England

Regional Coastal Zone Management Coordination: Dealing with Coastal Flooding on New England, Steven L. Colman, CZ80:Nov 80:1216

New Hampshire

Municipal Sewage: Three Communities Try to Cope, Allen Morrison, CE:Sept 80:90
Public Works Directors—Why Do Some Stand Out?, Philip V. Di Vietro, CE:Aug 80:68

New Jersey

Atlantic City Gambles on Transportation, Walter Cherwony, Donna K. Silverman and Frank A. Zabawski, Preprint No.80-565, Oct 80, 12pp.
Carbon Treatment of Drinking Water: N.J. Plant Trying to Get Out Bugs, Eugene E. Dallaire, CE: Jan 80:64
Delineation and Implementation of a Dune Management District, Paul A. Gares, Karl F. Nordstrom and Norbert P. Psuty, CZ80:Nov 80: 1269
Future Prospects Re Travel Requirements and Financing, Robert A. Keith, UT79A:July 79:285
How New Jersey is Handling Its Hazardous Wastes, CE:Sept 79:81
Lake Process Models Applied to Reservoir Management, Wesley L. Bradford and David J. Maiero, EE5:Oct 78:981:14100
Modeling Combined Sewer Storage Alternatives, Gregory L. Shahabian, Anthony J. Graham and George E. Kamedulski, EE80:July 80:480
The New Jersey Coast: Going, Going, Gone?, Sheldon Abrams and D. W. Bennett, CZ80:Nov 80: 1497
New Tools for Resolving Conflicts in Port Planning, Edward J. Linky and Bruce H. Hoff, CZ80:Nov 80: 881
Opportunities and Problems in Planning the New Jersey Pinelands and Coastal Zone, John W. Sinton, CZ80:Nov 80:137
Predicting Eutrophication Impacts of Development, Myron S. Rosenberg, Robert A. Kimball and Robert P. Shubinski, IRKB:July 80:517
Regional Planning for the Urban Waterfront, John R. Weingart, CZ80:Nov 80:286
Shore Protection Decisions for Sandy Hook, Donald A. Falvey and William J. Funge, CZ80:Nov 80: 2322
Siting of Hazardous Waste Management Facilities, Dawn D. Roderique and Timothy D. Van Epp, EE80:July 80:320
Toxic Chemicals in New Jersey's Environment: Cancer Link?, Eugene E. Dallaire, CE:Sept 79:74
Transportation in New Jersey and the Clean Air Act, James Newcomb, CAAA:Nov 79:114

New Mexico

Dispersive Soil Problem at Los Esteros Dam, Thomas N. McDaniel and Rey S. Decker, GT9:Sept 79: 1017:14804
Establishing Cool-Season Grasses on Mine Spoils, Earl F. Aldon, David G. Scholl and Charles P. Pase, IRKB:July 80:91

Newton-Raphson Method

Parameter Estimation From Full-Scale Cyclic Testing, Jean-Guy Beliveau and Michael Favillier, EM81:Jan 81:775
Pitfalls in Pipe Network Analysis Techniques, Michael A. Collins, TE5:Sept 80:507:15675

New York

Aerial Photography in Fire Risk Assessment, Paul R. DeCicco, AS80:Aug 80:155
Coastal Flooding in Metropolitan New York: A Case Study, Robert S. Taylor, Sue Ann Hanson and Stergios A. Dendrou, HYUS:June 80:316
Do Federal Grants Distort a City's Capital Investment Priorities?, Eugene E. Dallaire, CE:Oct 79:79
Identification of CO Hot Spots in Upstate New York, Ronald J. Piracci, CAAA:Nov 79:284
IRT — New York City's First Subway, Larry D. Lankton, CE:Nov 79:71
Lake Process Models Applied to Reservoir Management, Wesley L. Bradford and David J. Maiero, EE5:Oct 78:981:14100
Largest Inverted Shell Houses Two Theaters, Jacob Eldar, CE:June 79:74
Location and Remediation of Abandoned Hazardous Wastes Sites, Norman H. Nosenchuck, EE80:July 80:560
The Love Canal Remedial Action Report, Joseph L. Slack, EE80:July 80:564
Metropolitan Section Accreditation Program on Compliance with Manual 55, Thomas A. Mulhern, El1:Jan 79:35:14316
Midtown Manhattan Circulation and Surface Transit Study and Demonstration Project, Walter H. Kraft and Samuel I. Schwartz, Preprint No.80-156, Apr 80, 20pp.
Minimizing Risks/Mitigating Losses, V. Wallace Ryland, CRLS:Jan 79:I-145
Mitigating Runoff Pollution Into South Shore Bays of Long Island, New York, Kevin J. Phillips, Vito Minei, Thomas Maher and Philip A. Haderer, HYUS:June 80:228
Mode Alternatives for Serving Rail Freight Users, Benjamin S. Zodikoff, MGC:July 80:129
Modeling of PCB Fate in the Hudson River System, Robert V. Thomann, Paul C. Pacquin and James J. Fitzpatrick, EE80:July 80:130

New York: Water City, Ann E. Seltz-Petrash, CE: June 79:83
Public Works Directors—Why Do Some Stand Out?, Philip V. Di Vietro, CE:Aug 80:68
Regional Planning for the Urban Waterfront, John R. Weingart, CZ80:Nov 80:286
Renovation of New York Harbor, Theodore Civetta, Jr. and Philip C. Sears, CZ80:Nov 80:898
Siting of Hazardous Waste Management Facilities, Dawn D. Roderique and Timothy D. Van Epp, EE80:July 80:320
The Transportation — Air Quality Planning Process, Gerard Soffian, John Filippelli and John C. Cosby, CAAA:Nov 79:126
Two-Dimensional Plume in Uniform Ground-Water Flow, John L. Wilson and Paul J. Miller, HY4:Apr 78:503:13665
Use of Highly-Treated Wastewater to Recharge the Ground-Water Reservoir in Nassau County, Long Island, New York, David A. Aronson, EE80:July 80:214

New Zealand
A User's Experience with New Zealand ICES Software, David Loukes, CP80:June 80:678

Nigeria
Irrigation Prospects in Bendel State of Nigeria, Paul A.C. Okwuobi, IR1:Mar 79:99:14459

Nile River Valley
Coastal Development at Nile Mediterranean Outlets, Ismail Mobarek and Joel M. Goodman, CZ80:Nov 80:724

Nitrates
Alternatives for Reducing Nitrate in Municipal Supplies at McFarland, Calif., Gerald A. Guter and Ernest Kartinen, Jr., EE80:July 80:520
Fluoride, Nitrate, Arsenic, and Selenium Removal From Small Community Water Supplies, Dennis Clifford, Maheyar Bilimoria, Gurinder Singh and Tom Sorg, EE80:July 80:514
Nonpoint Pollution from Agricultural Watersheds, James A. Ayars, John C. Inman and Gwendolyn McClung, IRKB:July 80:974
Seasonal Water Chemistry in the Tidal Potomac River, David H. Peterson, CZ80:Nov 80:1558
A Streamlined Approach to Biological Nitrogen Removal, Laurence J. Sauter, Jr. and James E. Alleman, EE80:July 80:296
Thames Basin Nitrate and Agricultural Relations, Charles A. Onstad and Jane Blake, IRKB:July 80: 961

Nitrification
Diffusion and Reaction in Biological Nitrification, Enrique J. LaMotta and Wen K. Shieh, EE4:Aug 79:655:14759
Energy Conservation in Activated Sludge Systems, Sal D'Angelo, H. David Stensel and J. C. Goldman, EE4:Aug 80:773:15636
Largest Rotating Biological Contactor Plant Also First to Remove Nitrogen, Eugene E. Dallaire, CE: Jan 79:70
Modeling Nitrogen, Oxygen, Chattahoochee River, Ga., Jeffrey E. Miller and Marshall E. Jennings, EE4:Aug 79:641:14748
A Streamlined Approach to Biological Nitrogen Removal, Laurence J. Sauter, Jr. and James E. Alleman, EE80:July 80:296

Nitrites
A Streamlined Approach to Biological Nitrogen Removal, Laurence J. Sauter, Jr. and James E. Alleman, EE80:July 80:296

Nitrogen
Engineering Design Variables for the Activated Sludge Process, Lloyd W. Weller, Chmn., EE3:June 80:473:15509
Nitrogen Yields and Land Use in Southern Streams, Mingteh Chang, Jack D. McCullough and Frank A. Roth, II, IRKB:July 80:951
Saturation Kinetics for Preferential Nitrogen Uptake, David S. Bowles and William J. Grenney, TN: EE4:Aug 80:833:15588
Spray Application of Wastewater Effluent in a Cold Climate: Performance Evaluation of a Full-Scale Plant, E. Allan Cassell, Donald W. Meals, J. R. Bouzoun, C. James Martel and Wallace A. Bronson, EE80:July 80:620

Nitrogen Compounds
Secondary Treatment Alternatives: Suspended Growth, Gordon L. Culp, Chmn., EE2:Apr 79:283: 14528
A Streamlined Approach to Biological Nitrogen Removal, Laurence J. Sauter, Jr. and James E. Alleman, EE80:July 80:296

Nitrogen Oxide (No)
Environmental Aspects of Utility AFBC Design, Robert E. Curtis and P. Stanley Dzierlenga, EY2: Oct 80:131:15739

Noise
Discrete Dynamic Model of Watershed Sediment Yield, Tribeni C. Sharma and William T. Dickinson, HY5:May 79:555:14592
Weighting of Factors in Environmental Evluation, Naojiro Aoshima and Shogo Kawakami, UP2:Nov 79:119:14952

Noise (Sound)
Control of Construction Noise, Stan Potter and A. Paolillo, EE80:July 80:421
Control of Noise and Vibration in Buildings Near Subways, A. Paolillo and H. Podolsky, EE80:July 80:414
Control of Noise of Rapid Transit Cars, A. Paolillo and W. A. Jehle, EE80:July 80:406
Statistical Reliability of Ambient Noise Surveys, Daniel A. Driscoll and William J. Webster, EE80: July 80:399

Noise Control
Control of Construction Noise, Stan Potter and A. Paolillo, EE80:July 80:421
Control of Noise and Vibration in Buildings Near Subways, A. Paolillo and H. Podolsky, EE80:July 80:414
Control of Noise of Rapid Transit Cars, A. Paolillo and W. A. Jehle, EE80:July 80:406
An Environmentally Acceptable Coal Port, Paul Soros and Mohammed Osman, PO80:May 80:11
Problems in New Tokyo Airport, Manabe Shigeto and Sakai Katsuyuki, MGC:July 80:46
Space Shuttle, CE:June 80:64
Statistical Reliability of Ambient Noise Surveys, Daniel A. Driscoll and William J. Webster, EE80: July 80:399

Noise Measurement
Control of Noise of Rapid Transit Cars, A. Paolillo and W. A. Jehle, EE80:July 80:406

Noise Reduction
Control of Noise and Vibration in Buildings Near Subways, A. Paolillo and H. Podolsky, EE80:July 80:414
Control of Noise of Rapid Transit Cars, A. Paolillo and W. A. Jehle, EE80:July 80:406

Noise Tolerances
Control of Noise of Rapid Transit Cars, A. Paolillo and W. A. Jehle, EE80:July 80:406

Noncohesive Soils
Cyclic Shear Resistance of Noncohesive Soils, Edward G. Prater, TN: GT1:Jan 80:111:15100

Nondestructive Measurement
Ambient Vibration Survey of Offshore Platform, Sheldon Rubin, EM3:June 80:425:15458
New Approach to Predict Lime Reactivity of Soils, Aloysius Kweku Castel and Kandiah Arulanandan, TN: GT4:Apr 79:563:14476

Nondestructive Tests
Acoustic Emission of Fiber Reinforced Plastics, Timothy J. Fowler, TC2:Dec 79:281:15021
Airfield Pavement Demonstration-Validation Study, Donald M. Arntzen, Ernest J. Barenberg and Robert J. Krause, TE6:Nov 80:721:15813
Detection Of Fatigue Cracks In Structural Members, E. Kummer, J. C. S. Yang and N. Dagalakis, EM81:Jan 81:445

Nonequilibrium Flow
Nonsteady Flow to Nonpenetrating Well, Rameshwar S. Kanwar, Howard P. Johnson and Herandra S. Chauhan, IR1:Mar 79:45:14458

Nonlinear Differential Equations
Nonlinear Analysis of Steel Frames, Richard B. Klein and Fred W. Beaufait, CP80:June 80:172

Nonlinear Programming
Nonlinear Analysis of Steel Frames, Richard B. Klein and Fred W. Beaufait, CP80:June 80:172

Nonlinear Systems
Digital Simulation of Nonlinear Random Waves, Robert T. Hudspeth and Min-Chu Chen, WW1:Feb 79:67:14376
Identification Of A Class Nonlinear Dynamic Systems, Sami F. Masri, George A. Bekey, Hassan Sassi and Thomas K. Caughey, EM81:Jan 81:794
Nonlinear Analysis of Prestressed Concrete Frames, Young-Jin Kang and Alexander C. Scordelis, ST2: Feb 80:445:15191
Nonlinear Elastic Analysis of Panelized Shear Sandwich Walls, Paul P. Fazio and Santi Rizzo, ST6:June 79:1187:14649
Nonlinear Material Models for Fabric, Rene B. Testa and Norris Stubbs, CP80:June 80:195
Nonlinear Modeling of Wave Runup on Sloping Beach, Jagat N. Sharma, WW2:May 79:125:14564
Nonlinear Soil Models for Irregular Cyclic Loadings, Robert M. Pyke, GT6:June 79:715:14642
Slack-Elasto-Plastic Dynamics of Cable Systems, David Chia-Chiun Ma, John W. Leonard and Kuang-Han Chu, EM2:Apr 79:207:14508

Nonuniform Flow
Undular Hydraulic Jump, V. Mandrup Andersen, TN: HY8:Aug 78:1185:13916

Nonwoven Fabrics
Environmental Problems and Products, Philip V. DiVietro, CE:Sept 79:94

Normally Consolidated Soils
Cam-Clay Predications of Undrained Strength, Paul W. Mayne, GT11:Nov 80:1219:15816
Viscoplasticity of Normally Consolidated Clays, Atilla M. Ansal, Zdenek P. Bazant and Raymond J. Krizek, GT4:Apr 79:519:14546

Normal Strain
Definition of Terms Related to Liquefaction, William F. Marcuson, III, Chmn., GT9:Sept 78:1197:14037

Normal Stress
Computing Unidimensional Normal Stress Resultants, Joaquin Marin, ST1:Jan 80:233:15145

Norman Medal
Awards for 1980 to be given this Month: Norman Medal, CE:Oct 80:144
Earthquake Resistant Design of Concrete Gravity Dams, Anil K. Chopra, ST6:June 78:953:13823
Effectiveness of Backwashing for Wastewater Filters, John L. Cleasby and James C. Lorence, EE4:Aug 78:749:13967

North Carolina
Intergovernmental Corrdination in North Carolina, Hubert Glenn T. Dunn and Charles W. Hollis, CZ80:Nov 80:2027
Land Records Management In North Carolina, Donald P. Holloway and Ronald F. Scott, SU80: June 80:33
Management; Continuing Education; Minority Business Enterprise, CE:Jan 80:95
North Carolina Oil Refineries—Who Makes Decision?, Anne Taylor, CZ80:Nov 80:1045
Regional Water Programs in North Carolina, Jon A. Arnold, EE2:Apr 79:183:14524
Satelite Imagery and Shoreline Erosion Prediction, Charles W. Welby, AS80:Aug 80:78
Stormwater Management In Coastal North Carolina, Neil S. Grigg, Alfred M. Duda and John Morris, HYUS:June 80:33

Norway
Engineering and Constructing Marine Superprojects, Marshall P. Cloyd, CO1:Mar 79:65:14435

Notch Effect
Bending of Strip with Semielliptic Notches or Cracks, Norio Hasebe, EM6:Dec 78:1433:14248
Notched Trusses Give Low-Cost Conversion of Hangars for Jumbo Jets, Edward H. Strand and Stephen H. Barnes, CE:June 80:88

Notch Sensitivity
Influence of Notch Dimensions on the Effective Surface Energy and Notch-Sensitivity of Cement Compounds, Shan Somayaji, FIC:Oct 80:36

Nuclear Density Meters
Nuclear Testing of Utility Trench Backfill, Vincent J. Perricelli, CE:Nov 79:68

Nuclear Electric Power Generation
Managing Nuclear Construction-An Experience Survey, Clyde B. Tatum, CO4:Dec 78:487:14233
Probabilistic Evaluation of OBE for Nuclear Plants, John T. Christian, Ralph W. Borjeson and Philip T. Tringale, GT7:July 78:907:13904

Nuclear Energy
Energy Analysis for Environmental Impact Assessment, Flora C. Wang, Howard T. Odum and Patrick C. Kangas, WR2:July 80:451:15558

Nuclear Fusion
Installation and Assembly Method to be Utilized in Assembly of the Tokamak Fusion Test Reactor, Neil E. Young, Preprint No.80-610, Oct 80, 12pp.

Nuclear Methods
Airborne Snow Survey Using Natural Gamma Radiation, Thomas R. Carroll and Kenneth G. Vadnais, ASDC:80:1

Nuclear Moisture Meters
Nuclear Testing of Utility Trench Backfill, Vincent J. Perricelli, CE:Nov 79:68

Nuclear Power
Construction QA/QC Systems: Comparative Analysis, Jack H. Willenbrock and Scott Shepard, CO3:Sept 80:371:15669
Random Thermal Stress in Concrete Containments, Mahendra P. Singh and Robert A. Heller, ST7:July 80:1481:15542

Nuclear Power Plant Location
Energy Analysis for Environmental Impact Assessment, Flora C. Wang, Howard T. Odum and Patrick C. Kangas, WR2:July 80:451:15558

Nuclear Power Plants
Bellefonte Primary Containment Structure, James H. Olyniec, Preprint No.80-548, Oct 80, 14pp.
Computerized Cost Control of Nuclear Power Plants, Daniel W. Halpin, CO4:Dec 79:305:15036
Concrete Production on Nuclear Power Plant Projects, H. Randolph Thomas, Jr., Jack H. Willenbrock and James L. Burati, Jr., CO3:Sept 80: 327:15703

Concrete Slump in Nuclear Power Plant Construction, H. Randolph Thomas, Jr., CO4:Dec 80:567:15881
Construction Plant Requirements for Nuclear Sites, Clyde B. Tatum and J. A. Harris, Preprint No.80-629, Oct 80, 13pp.
Delays in Construction of Nuclear Power Plants, Parviz F. Rad, EY1:Jan 79:33:14287
Earthquake Response of Nuclear Power Facilities, James J. Johnson and Robert P. Kennedy, EY1:Jan 79:15:14296
Evaluating Aggregate Gradings for Nuclear Concrete, Kurtz L. Paulson and R. Harlan Wright, Preprint No.80-507, Oct 80, 26pp.
Evaluation Of Soil-Structure Interaction Methods, Anand K. Singh, Tzu-I Hsu, Tara P. Khatua and Shih-Lung Chu, EM81:Jan 81:580
Impactive Effects of Tornado Missiles and Aircraft, Anil K. Kar, ST11:Nov 79:2243:14968
Impact of Potential Electric Vehicle Market Penetrations on Air Quality, Martin J. Bernard, III, CAAA:Nov 79:329
Improving Motivation and Productivity on Large Projects, John D. Borcherding, Scott Morse Sebastian and Nancy Morse Samelson, CO1:Mar 80:73:15272
Landsat Data Use in Evaluating Nuclear Reactor Sites, Patrick J. Barosh, ASDC:80:383
Modeling of Reject Heated Water Use in Greenhouses, Edward A. McBean, Donald Haycock, Gary Ashley and Jack Gorrie, EY2:Oct 80:165:15732
Motivating Foremen on Large Construction Projects, Nancy Morse Samelson and John D. Borcherding, CO1:Mar 80:29:15276
Nuclear Facilities Siting, Paul Kruger, EE3:June 79:443:14615
Nuclear Wastes: Safe Way to Dispose Them Underground Forever, Eugene E. Dallaire, CE:May 79:72
Post-Tensioning System Surveillance Program, George E. Drew, ST2:Feb 79:347:14383
Quality Control of Cadweld (Mechanical) Splices, H. Randolph Thomas, Jr., CO3:Sept 79:201:14803
Recent OTA Projects and Progress, Charles W. Wixom and Jeffrey P. Cohn, TC1:Apr 79:97:14487
Seismic Support: Speedy Determination of Frequency, Anil K. Kar, ST7:July 79:1289:14672
Size Effect in Damping Caused by Water Submersion, Richard G. Dong, ST5:May 79:847:14581
System for Material Movement to Work Areas, Roland M. Parsons and John D. Pachuta, CO1:Mar 80:55:15267

Nuclear Reactions

3-D Nonlinear Dynamic Analysis of Stacked Blocks, Kiyoshi Muto, Hiromoto Takase, Kiyomi Horikoshi and Hiromichi Ueno, EM81:Jan 81:917

Nuclear Reactor Containment

Concrete Plasticity Theory for Biaxial Stress Analysis, David W. Murray, Larp Chitnuyanondh, Khazal Y. Rijub-Agha and Chung Wong, EM6:Dec 79:989:15046
Parametric Study on Containment Liner-Anchor System, Adam Al-Dabbagh and Ajaya K. Gupta, EY2:Aug 79:169:14737

Nuclear Reactor Coolants

Interaction Effects Of Reactor System And Its Supports, C.-W. Lin, D. T. Tang and F. Loceff, EM81:Jan 81:609

Nuclear Reactor Materials

Nuclear Wastes: Safe Way to Dispose Them Underground Forever, Eugene E. Dallaire, CE:May 79:72

Nuclear Reactors

Accident and Seismic Containment Reliability, Michael N. Fardis, C. Allin Cornell and John E. Meyer, ST1:Jan 79:67:14305
Deep Storage of Nuclear Waste: Structural Issues, David A. Day, EY2:Oct 80:201:15746
Earthquake Sloshing in Annular and Cylindrical Tanks, Mohammad Aslam, William G. Godden and D. Theodore Scalise, EM3:June 79:371:14643
Increased Productivity in Place Reinforcing in Reactor Containment Structures Through the Use of Scale Reinforcing Models, Allen J. Hulshizer and Roger M. Mobley, Preprint No.80-662, Oct 80, 14pp.
Installation and Assembly Method to be Utilized in Assembly of the Tokamak Fusion Test Reactor, Neil E. Young, Preprint No.80-610, Oct 80, 12pp.
Interaction Effects Of Reactor System And Its Supports, C.-W. Lin, D. T. Tang and F. Loceff, EM81:Jan 81:609
Landsat Data Use in Evaluating Nuclear Reactor Sites, Patrick J. Barosh, ASDC:80:383

Nuclear Reactor Sites

Landsat Data Use in Evaluating Nuclear Reactor Sites, Patrick J. Barosh, ASDC:80:383

Nuclear Safety

Nuclear Wastes: Safe Way to Dispose Them Underground Forever, Eugene E. Dallaire, CE:May 79:72

Numerical Analysis

Algorithms for Interactive Structural Analysis, Yehonathan Hazony and Lawrence E. Zeidner, CP80:June 80:257
Analytical-Numerical Computation of Infiltration, Antonis D. Koussis and Siu-Lun Chow, IR2:June 80:123:15494
Blunt Crack Band Propagation in Finite Element Analysis, Zdenek P. Bazant and Luigi Cedolin, EM2:Apr 79:297:14529
Calibrating the Chesapeake Bay Circulation Model?, Raymond Walton, M. A. Granat and Robert P. Shubinski, HYCO:Aug 80:387
Calibration of Numerical Model for Harbor Waves, Herman Bomze, HYCO:Aug 80:441
Dependency of Astronomic Tide and Hurricane Surge, Richard A. Schmalz, Jr., HYUS:June 80:7
Design Model for Thermal Effluents in Rivers, Giorgio Dinelli and Leonardo Castellano, HY3:Mar 79:197:14422
EISI-EAL: Engineering Analysis Language, W. D. Whetstone, CP80:June 80:276
Finite Element Analysis of Wave Transmission in A Coastal Channel with a Bell-Mouth Entrance, T. C. Gopalakrishnan and Jerry L. Machemehl, HYUS: June 80:125
Finite Element Model for Hurricane Surge and Coastal Flooding, Jing Song Wei, Hsuan S. Chen and Jerry L. Machemehl, HYUS:June 80:205
Flow Coefficients and Computer Models Reliability, A'Alim A. Hannoura, HYCO:Aug 80:366
Flow Routing in Tailwater Streams, Michael G. Ferrick, HYCO:Aug 80:192
Friction Factors in Flooding Due to Hurricanes, Bent A. Christensen and Raymond Walton, HYUS:June 80:265
Ground-Water Flow Computations by Method of Lines, Antonis D. Koussis and Richard W. Watson, IR1:Mar 80:1:15238
A Model for Slab Foundations on Expansive Soils, Stefanos S. Tsotsos, SLS:June 80:551
Modeling Two-Dimensional Circulating Flow, George H. Lean and T. John Weare, HY1:Jan 79:17:14312
Moving Boundary Numerical Surge Model, Gour-Tsyh Yeh and Fang-Kuo Chou, WW3:Aug 79:247:14758
Numerical Analysis of Underground Structures, Charles W. Schwartz, CP80:June 80:217
Numerical Modeling of Radioactive Waste Repositories, Paul F. Gnirk, Gary D. Callahan and Joe L. Ratigan, Preprint No.80-164, Apr 80, 22pp.
Numerical Simulation of Mixing in Natural Rivers, Terrence O. Harden and Hung Tao Shen, HY4:Apr 79:393:14501

Numerical Simulation of Turbulent Stratified Flows in Surface Water Impoundments, Angelos N. Findikakis and Robert L. Street, HYCO:Aug 80: 249
A Numerical Surge Model with Moving-Boundary Treatment, Michael H. Chen, David J. Divoky and Li San Hwang, HYUS:June 80:195
On the Effect of the Value of the Eddy Coefficients on the Simulated Vertical Structure of Stratified Flows, Angelos N. Findikakis and Robert L. Street, HYCO:Aug 80:377
Precipitation Forecasting at a National Center, David A. Olson, EFHYF:Mar 79:199
A Predictive Model of Hurricane Wind-Waves, Rodney J. Sobey and Ian R. Young, HYCO:Aug 80:333
Second Moment—Inference Analysis Approach for Probability Evaluation of Storm Surges, Stergios A. Dendrou, Robert S. Taylor and Basile A. Dendrou, HYUS:June 80:23
Simulation of Transient Supercritical Channel Flow, Jerome J. Zovne and C. Samuel Martin, HY7:July 79:859:14708
A Solute Transport Model for Tidal Canal Networks, Raymond Walton and Bent A. Christensen, HYUS: June 80:142
Sources of Computer Programs in Hydraulics, David R. Basco, Chmn., HY5:May 80:915:15435
Techniques and Experiences in the Utilization of Unsteady Open-Channel Flow Models, Chintu Lai, Robert A. Baltzer and Raymond W. Schaffranek, HYCO:Aug 80:177
Unconditional Stability in Convection Computations, Victor Miguel Ponce, Yung Hai Chen and Daryl B. Simons, HY9:Sept 79:1079:14807
Vibration Analysis of Planar Structures, Gordon C. Li and Chandrakant S. Desai, TN: ST8:Aug 80: 1813:15591

Numerical Calculations
Channel Flow Computations Using Characteristics, Kathirithamby Sivaloganathan, HY7:July 79:899: 14717

Nutrient Requirements
Impact of Waste Diversion on Water Quality in Lakes, Paul L. Freedman and Raymond P. Canale, EE5:Oct 79:867:14885
Nutrient Budget Analysis for Rend Lake in Illinois, Veerasamy Kothandaraman and Ralph L. Evans, EE3:June 79:547:14616
River Nutrient and Chemical Transport Estimation, Frank H. Verhoff, Stephen M. Yaksich and David A. Melfi, EE3:June 80:591:15456

Nutrients
Aquaculture Systems for Wastewater Treatment, Edward R. Pershe, EE80:July 80:103
Developing Optimal River Basin Solutions for Alleviating Environmental Impacts from Irrigated Agriculture, Wynn R. Walker and Gaylord V. Skogerboe, IRKA:July 80:228
Effect of Forestry Practices in Florida Watersheds, H. Riekerk, B. F. Swindel and John A. Replogle, IRKB:July 80:706
Energy and Costs for Agricultural Reuse of Wastewater, R. S. Sletten, Sherwood C. Reed and Eddie J. Middlebrooks, EE80:July 80:339
Engineering Design Variables for the Activated Sludge Process, Lloyd W. Weller, Chmn., EE3:June 80:473:15509
Eutrophication-Related Water Quality in Dillon Reservoir, H. Kirk Horstman, G. Fred Lee and R. Anne Jones, EE80:July 80:144
Forage Grass Growth on Overland Flow Systems, Antonio J. Palazzo, C. James Martel and Thomas F. Jenkins, EE80:July 80:347
Index To Evaluate Lake Restoration, Donald B. Porcella, Spencer A. Peterson and David P. Larsen, EE6:Dec 80:1151:15893
Land Treatment Design Based on Long-Term Operation, Daniel J. Hinrichs and Richard Thomas, EE80:July 80:355
Nonpoint Source Loads and Impacts to a Water Supply Reservoir, Charles J. Newell and Philip B. Bedient, EE80:July 80:364
Nutrient Reduction Alternatives, Lake Okeechobee, Florida, J. Steve Reel, Preprint No.80-580, Oct 80, 14pp.
Remote Sensing that Motivated Community Action, Roland H. Brownlee, James P. Scherz and James M. Dennis, AS80:Aug 80:60
Seasonal Water Chemistry in the Tidal Potomac River, David H. Peterson, CZ80:Nov 80:1558
Soil Solution Chemistry and Slash Disposal, George E. Hart, Norbert V. DeByle and Robert W. Hennes, IRKB:July 80:318
Submersed Aquatic Vegetation in the Tidal Potomac, Virginia Carter, James E. Paschal, Jr. and G. Michael Haramis, CZ80:Nov 80:1537
Water Quality and Wildland Resource Management, Alan F. Galbraith, IRKB:July 80:298

Nutritional Requirements
Dynamic Nutrient Cycle for Waste Stabilization Ponds, Raymond A. Ferrara and Donald R.F. Harleman, EE1:Feb 80:37:15168

Nylon Fibers
The Use of Synthetic Fabrics in Coastal Dune Stabilization, Donald K. Staubie, CZ80:Nov 80: 2190

Obituaries of Members
See Name of Deceased Member in Name Index

Objectives
Choosing Objectives in Transportation Planning, Philip H. Byer and David Saunders, TE1:Jan 79:91: 14307

Observation Wells
Storage Coefficients from Ground-Water Maps, Brij M. Sahni and Harbhajan S. Seth, IR2:June 79:205: 14658

Occupancy
Preferential Treatment—What Lies Ahead, Morris J. Rothenberg, TE4:July 79:383:14705

Occurrence
Joint Occurrences in Coastal Flooding, M. Aziz Tayfun, WW2:May 79:107:14560

Ocean Bottom
Seismic Response of Cohesive Marine Soils, Chan-Feng Tsai, Ignatius Lam and Geoffrey R. Martin, GT9:Sept 80:997:15708
Stresses Induced in a Rigid Sandbed by Wave Loading, Kenneth R. Demars, Preprint No.80-539, Oct 80, 14pp.
Undrained Cyclic Strength of Marine Soils, William N. Houston and Herbert G. Herrmann, GT6:June 80:691:15508
Wave Induced Instability in Ocean Floor Sands, W. D. Liam Finn, R. Siddharthan and Geoffrey R. Martin, Preprint No.80-638, Oct 80, 14pp.

Ocean Engineering
Ambient Vibration Survey of Offshore Platform, Sheldon Rubin, EM3:June 80:425:15458
Balancing Fish and Fuel on Georgia's OCS, Jeannette H. Phillips and James O. Barber, CZ80:Nov 80: 1098
California Impacts of World Ocean Decisions, Robert L. Friedheim and Robert E. Bowen, CZ80:Nov 80: 980
Dense Bottom Currents in Rotating Ocean, Flemming Bo Pedersen, HY8:Aug 80:1291:15629
Design of a Tanker Mooring System for Dynamic Loads, Shih-Iih Steve Fang and Robert M. Schneider, PO80:May 80:747
Dynamic Analysis of Ocean Cable Structures, Herman Migliore, Preprint No.80-030, Apr 80, 21pp.

Environmental Case History of an Ocean Outfall, Noel J. Williams, Richard B. Meighan, Donald D. Treadwell and George J. Murphy, CZ80:Nov 80: 703
Evaluation of Deepwater Oil Terminals: A Case Study, C. Michael Walton, MGC:July 80:85
Policy Issues of Importance to Offshore Development, William S. Gaither, PO80:May 80:1
Port Valdez Environmental Studies: 1976-1978, Joseph M. Colonell, EE5:Oct 80:907:15738
Potential Coastal-Zone Impacts of Alternative Ocean Energy Systems, Volker W. Harms and Nancy Gutshall, CZ80:Nov 80:947
Selected Areas of Aerospace Technical Applications to Civil Engineering, Allen F. Flanders, Chmn., TE3:May 79:223:14563
Statistics of Larger Waves in a Sea State, Kenneth G. Nolte and Feng H. Hsu, WW4:Nov 79:389:14963
Wave Forces on Partially Submerged Cylinders, A. Graham Dixon, Clive A. Greated and Stephen H. Salter, WW4:Nov 79:421:14996

Ocean Environments
Convergence Acceleration Method for Oceanic Cables, John W. Leonard, Preprint No.80-131, Apr 80, 22pp.

Oceanic Processes
Electricity from the Sea, Frank McHale, CE:June 80: 73

Oceanographic Surveys
Surveying and Mapping Research 1978-1988: An Overview, Morris M. Thompson, SU1:Nov 79:43: 14957

Oceanography
Dense Bottom Currents in Rotating Ocean, Flemming Bo Pedersen, HY8:Aug 80:1291:15629
Linear and Nonlinear Wave Action Estimates, Robert T. Hudspeth and Larry S. Slotta, EM2:Apr 78:319:13695
Microdroplets and Transport of Moisture from Ocean, Sung C. Ling, Timothy W. Kao and Alice I. Saad, EM6:Dec 80:1327:15923
Port Valdez Environmental Studies: 1976-1978, Joseph M. Colonell, EE5:Oct 80:907:15738

Oceans
Ocean Wave Statistics for 1961 North Atlantic Storm, Subrata K. Chakrabarti and Ralph P. Cooley, WW4:Nov 77:433:13320

Ocean Water
Dispersion in Two-Layer Stratified Water Bodies, George C. Christodoulou and Jerome J. Connor, HY4:Apr 80:557:15342
OTEC-1, Extracting Energy from the Ocean, H. D. Ramsden and N. A. Svensen, Preprint No.80-079, Apr 80, 21pp.

Ocean Waves
Further Tests on Ocean Wave Forces on Sphere, Robert A. Grace and Gabriel T.Y. Zee, TN: WW1: Feb 78:83:13513
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Power from Waves Using Harbor Resonators, William James, WW1:Feb 80:99:15210
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Wave Force Analysis: An Alternate Procedure, Yuan Jen, TN: WW1:Feb 80:117:15166

Odometers
In Situ Tests by Flat Dilatometer, Silvano Marchetti, GT3:Mar 80:299:15290

Odor
Evaluating Odor Reduction Technologies: Model, Robert C. Balling, Jr. and Carroll E. Reynolds, EE5:Oct 80:901:15743

Odor Control
Atmospheric Sublayer Transport and Odor Control, George E. Wilson, Jerry Y.C. Huang and Terry W. Schroepfer, EE2:Apr 80:389:15358
Evaluating Odor Reduction Technologies: Model, Robert C. Balling, Jr. and Carroll E. Reynolds, EE5:Oct 80:901:15743

Odors
Air Quality Modeling of A Sewage Treatment Plant, Walter G. Hoydysh and Richard P. Barth, EE80: July 80:494

Offshore Drilling
Access is the Opium of the Planner, Wallace Kaufman, CZ80:Nov 80:119
Atlantic Coast Ecological Inventory, 1980, J. Albert Sherk, Jr. and Larry R. Shanks, CZ80:Nov 80:206
Balancing Fish and Fuel on Georgia's OCS, Jeannette H. Phillips and James O. Barber, CZ80:Nov 80: 1098
Coastal Development at Nile Mediterranean Outlets, Ismail Mobarek and Joel M. Goodman, CZ80:Nov 80:724
Coastal Management Planning in Anchorage, Alaska, Anthony Burns, CZ80:Nov 80:1750
Consistency Review of OCS Acitvities Off California, Irwin D. Karp, CZ80:Nov 80:2103
Damping of An Offshore Platform Model By Random DEC Method, J. C. S. Yang, M. Sherif Aggour, N. Dagalakis and F. Miller, EM81:Jan 81: 819
Development of a North Sea Oil Terminal, Iain M. Robertson, CZ80:Nov 80:2066
Energy Facilities and the California Coast, William R. Ahern, CZ80:Nov 80:379
An Environmental Study to Assess The Effect of Drilling Fluids on Water Quality Parameters During High Rate, High Volume Discharge to the Ocean., R. C. Ayers, Jr., T. C. Sauer, Jr., D. O. Stuebner and R. P. Meek, CZ80:Nov 80:1730
Fishing and OCS Energy Development — Charting a Course of Compatibility, Keith G. Hay, CZ80:Nov 80:335
Floating Ice Platforms: Offshore Oil Exploration, D. M. Masterson and H. R. Kivisild, ST1:Jan 80:133: 15101
Management of Coastal Resources In Arctic Alaska, Gretchen Keiser and Wayne Pichon, CZ80:Nov 80: 1481
Marine Sanctuaries, A Controversial Concept, John K. Cassell, CZ80:Nov 80:1959
Modeling the Cumulative Onshore Effects of Offshore Oil and Gas Development, E. T. Smith and L. G. Hecht, Jr, CZ80:Nov 80:2083
Problems Facing Alaska Outer Continental Shelf Resource Development, Robert J. Brock, Raymond R. Emerson and Gordon M. Euler, CZ80:Nov 80: 1112
A Strategy for State Participation in Outer Continental Shelf Exploration Decisions, Marie Murphy, CZ80:Nov 80:1078
World's Tallest Offshore Platform Stands in 1025 Ft of Water, CE:Apr 79:53
The #53 Working Group: Local Participation in the Federal OCS Leasing Process, Ceila Lawren, CZ80: Nov 80:1087

Offshore Platforms
Ambient Vibration Survey of Offshore Platform, Sheldon Rubin, EM3:June 80:425:15458
Approximate Launch Analysis of Offshore Platforms, Bruce G. Wade and Lee King-Hin, Preprint No.80-588, Oct 80, 10pp.
Coastal Energy Development in Santa Barbara County, Kirvil Skinnarland and Mel Willis, CZ80: Nov 80:634
Cognac: World's Tallest Offshore Oil Platform, Allen Morrison, CE:June 80:55

Consistency Review of OCS Acitvities Off California, Irwin D. Karp, CZ80:Nov 80:2103
Damping of An Offshore Platform Model By Random DEC Method, J. C. S. Yang, M. Sherif Aggour, N. Dagalakis and F. Miller, EM81:Jan 81: 819
Design of Statfjord B Articulated Loading Platform, Marjorie A. Prosuch, PO80:May 80:385
Dynamic Response of Piles in Offshore Platforms, Robert G. Bea, GTA80:Oct 80:80
Dynamic Responses of Floating Structures, Jun G. Chao, WW2:May 78:105:13769
Earthquake and Wave Design Criteria for Offshore Platforms, Robert G. Bea, ST2:Feb 79:401:14387
Earthquake Response of Offshore Platforms, Robert G. Bea, Jean M.E. Audibert and M. Radwan Akky, ST2:Feb 79:377:14386
Floating Ice Platforms: Offshore Oil Exploration, D. M. Masterson and H. R. Kivisild, ST1:Jan 80:133: 15101
Modeling the Cumulative Onshore Effects of Offshore Oil and Gas Development, E. T. Smith and L. G. Hecht, Jr, CZ80:Nov 80:2083
Offshore Construction: Considerations for Self-Sufficiency and General Site Design, Scott L. Brinkmeyer, Preprint No.80-178, Apr 80, 28pp.
Offshore Platforms and Pipelines in Mississippi River Delta, Robert G. Bea and Jean M.E. Audibert, GT8:Aug 80:853:15645
POL Pier Damage Investigation and Recommendations, Chinymiim Chern and James C. Wright, PO80:May 80:399
Post-Yield Flexural Properties of Tubular Members, Stavros A. Anagnostopoulos, ST9:Sept 79:1757: 14821
Reliability Considerations in Offshore Platform Criteria, Robert G. Bea, ST9:Sept 80:1835:15688
Stress Measurements for Offshore Piles Driving, Wendell R. Vines and Jack J. Amar, GTDF:80:475
World's Tallest Offshore Platform Stands in 1025 Ft of Water, CE:Apr 79:53
The #53 Working Group: Local Participation in the Federal OCS Leasing Process, Ceila Lawren, CZ80: Nov 80:1087

Offshore Structures

Ambient Vibration Survey of Offshore Platform, Sheldon Rubin, EM3:June 80:425:15458
Coastal Management Planning in Anchorage, Alaska, Anthony Burns, CZ80:Nov 80:1750
Cyclic and Static Laboratory Tests on Drammen Clay, Knut H. Andersen, Jacobus H. Pool, Stephen F. Brown and Wim F. Rosenbrand, GT5:May 80: 499:15434
Cyclic Inelastic Buckling of Thin Tubular Columns, Egor P. Popov, Victor A. Zayas and Stephen A. Mahin, ST11:Nov 79:2261:14982
Cyclic Movements of Offshore Structures on Clay, Francis Dumas and Kenneth L. Lee, GT8:Aug 80: 877:15655
Damping of An Offshore Platform Model By Random DEC Method, J. C. S. Yang, M. Sherif Aggour, N. Dagalakis and F. Miller, EM81:Jan 81: 819
Deepwater Bottom Supported "Condeep" Terminal Design, Leif G. Larsen and John M. MacDonald, PO80:May 80:339
Design of a Tanker Mooring System for Dynamic Loads, Shih-lih Steve Fang and Robert M. Schneider, PO80:May 80:747
Diffraction of Water Waves by Isolated Structures, Volker W. Harms, WW2:May 79:131:14561
Dynamic Analysis of Ocean Cable Structures, Herman Migliore, Preprint No.80-030, Apr 80, 21pp.
Dynamic Behavior of Floating Storage Vessel, Robert A. Naftzger and Subrata K. Chakrabarti, WW2:May 80:157:15401
Dynamic Responses of Floating Structures, Jun G. Chao, WW2:May 78:105:13769
Effect of Soil Set Up on Pile Driveability in Chalk, Vasant N. Vijayvergiya, Aylmer P. Cheng and Henricus J. Kolk, GT10:Oct 77:1069:13293
Engineering and Constructing Marine Superprojects, Marshall P. Cloyd, CO1:Mar 79:65:14435
Engineering Planning of Dike and Polder Airports, Frank T. Wheby, TE3:May 80:245:15417
Evaluation of Deepwater Oil Terminals: A Case Study, C. Michael Walton, MGC:July 80:85
Evaluation of Three Offshore LNG Terminal Designs for Southern California, Edgar Rust, PO80:May 80: 352
Experiments on Axially Loaded Concrete Shells, Wai F. Chen, Harshavardhan C. Mehta and Tse-Yung P. Chang, ST8:Aug 79:1673:14785
Fender System Requirements at Open-Sea Berths, Bela Koman, PO80:May 80:520
Fishing and OCS Energy Development — Charting a Course of Compatibility, Keith G. Hay, CZ80:Nov 80:335
Floating Ice Platforms: Offshore Oil Exploration, D. M. Masterson and H. R. Kivisild, ST1:Jan 80:133: 15101
Floating Piers, Gregory P. Tsinker and Eugene Vernigora, PO80:May 80:230
Floating Terminal for Storage and Sendout of LNG, Gene Anspach, Robert Baseler and Rolf Glasfeld, PO80:May 80:296
Forces on Block Bodies Accelerating in Still Fluid, Derek G. Goring and Fredric Raichlen, WW2:May 79:171:14582
Further Tests on Ocean Wave Forces on Sphere, Robert A. Grace and Gabriel T.Y. Zee, TN: WW1: Feb 78:83:13513
Guyed Towers Under Arbitrary Loads, Felix Rosenthal and Richard A. Skop, ST3:Mar 80:679: 15247
Inelastic Cyclic Behavior of Tubular Braced Frames, Egor P. Popov, Stephen A. Mahin and Victor A. Zayas, ST12:Dec 80:2375:15918
Irregularities in Solutions of Nonlinear Wave Diffraction Problem by Vertical Cylinder, Touvia Miloh, TN: WW2:May 80:279:15385
Marine Cable Structures, Alain H. Peyrot, ST12:Dec 80:2391:15901
A New Type of Single Point Mooring: "Proud", Rene Loire, PO80:May 80:369
New York: Water City, Ann E. Seltz-Petrash, CE: June 79:83
Ocean Wave-Induced Liquefaction Analysis: A Review of Available Procedures, Mysore S. Nataraja and H. S. Gill, Preprint No.80-571, Oct 80, 22pp.
Offshore Airport Environmental Impacts, Gordon A. Chapman, MGC:July 80:224
Offshore Construction: Considerations for Self-Sufficiency and General Site Design, Scott L. Brinkmeyer, Preprint No.80-178, Apr 80, 28pp.
Offshore Pipeline Routing: Minimizing Environmental Effects, Ann W. Gowen and Michael J. Goetz, CZ80:Nov 80:667
Offshore Vertical and Lateral Pile Load Tests on Composite Friction Piles, Pend Oreille Lake, Idaho, Clair A. Waite, Steven A. Narkiewicz and Walter V. Jones, Preprint No.80-127, Apr 80, 21pp.
Offshore Water Intakes Designed to Protect Fish, Yusuf G. Mussalli, Edward P. Taft, III and Johannes Larsen, HY11:Nov 80:1885:15798
Perturbation Methods in Diffraction, John V. Wehausen, TN: WW2:May 80:290:15385
Physical Model for Steel Corrosion in Concrete Sea Structures—Theory, Zdenek P. Bazant, ST6:June 79:1137:14651
Physical Model for Steel Corrosion in Concrete Sea Structures—Application, Zdenek P. Bazant, ST6: June 79:1155:14652
Planning, Analysis, Design and Construction of Two Offshore Trestles Supporting Seven Pipelines and Electrical Cable Trays, Donald E. Arthur and Syed I. Husain, Preprint No.80-568, Oct 80, 14pp.
Policy Issues of Importance to Offshore Development, William S. Gaither, PO80:May 80:1
Pore-Pressure Dissipation During Offshore Cyclic Loading, Geoffrey R. Martin, Ignatius Lam and Chan-Feng Tsai, GT9:Sept 80:981:15706

Principal Stress Rotation: A Missing Parameter, J. Robin F. Arthur, Ken S. Chua, Treve Dunstan and Juan I. Rodriguez del C., GT4:Apr 80:419:15375
Probabilistic Evaluation of Penetration Resistances, Wilson H. Tang, GT10:Oct 79:1173:14902
Reliability Considerations in Offshore Platform Criteria, Robert G. Bea, ST9:Sept 80:1835:15688
Second-Order Standing Waves Bounded by Circular Cylinders, John N. Hunt and Rafik E. Baddour, TN: WW1:Feb 80:122:15166
Seismic Responses of Flexible Piles, Takaaki Kagawa and Leland M. Kraft, Jr., GT8:Aug 80:899:15656
Site Studies, Coastal/Geotechnical Aspects, Ralph H. Cross, George B. Tirey and Jin H. Kim, PO80:May 80:429
Stress Measurements for Offshore Piles Driving, Wendell R. Vines and Jack J. Amar, GTDF:80:475
Vertical Cylinders of Arbitrary Section in Waves, Michael de St. Q. Isaacson, WW3:Aug 78:309:13973
Wave-Induced Slides in South Pass Block 70, Mississippi Delta, Robert G. Bea, Stephen Wright, Partha Sircar and Alan W. Niedoroda, Preprint No.80-506, Oct 80, 23pp.

Ohio
ADAPT: The Use of Complex Models with a Geographic Data Base, Richard M. Males, SU80: June 80:215
Republic Steel Recycling Over 85% of Wastewater from Steel Mill, CE:June 80:102
Water Management Improves with Systems Application, Linus B. Losh, CE:Aug 79:54

Oil Lines
The Pactex Project: Any Lessons Learned?, Richard M. Donaldson and F. Harlan Flint, Jr., CZ80:Nov 80:365
Regulations: More is Less, Ann E. Seltz-Petrash, CE: Sept 79:99
Soil-Pipe Interaction of Heated Oil Pipelines, Bing C. Yen, Ching H. Tsao and Robert D. Hinkle, Preprint No.80-163, Apr 80, 22pp.

Oil Pollution of Rivers, Harbors, Et
Booms Used for Oil Slick Control, Y. Lam Lau and James R. Moir, EE2:Apr 79:369:14530

Oil Recovery
Booms Used for Oil Slick Control, Y. Lam Lau and James R. Moir, EE2:Apr 79:369:14530

Oils
LOOP: Delivering Oil Where It's Needed, William B. Read, PO80:May 80:163

Oil Shale
Birth of the Synthetic Fuels Industry, Eugene E. Dallaire, CE:July 80:49
Oil Shale Properties by Split Cylinder Method, Ken P. Chong, John Ward Smith, Bin Chang and Sigmund Roine, GT5:May 79:595:14567
Water Resources Implications of Energy Development, Jeffrey S. Mahan and Jay D. White, EY1:Apr 80:45:15366

Oil Spills
Booms Used for Oil Slick Control, Y. Lam Lau and James R. Moir, EE2:Apr 79:369:14530
Distribution of Oil Pollution Residues, Ian A. Furzer, EE6:Dec 80:1171:15904
IXTOC I Oil Spill and Atlantic Ridley Turtle Survival, Donald S. Delikat, CZ80:Nov 80:312
Modified Fickian Model for Predicting Dispersion, Henry Liu and Alexander H.D. Cheng, HY6:June 80:1021:15454
Oil Booms and Skimmer Walls: A Comparison, James J. Sharp, TN: EE5:Oct 80:991:15723
Oil Pollution Still a Problem for America's Ports, Roy W. Hann, Jr., PO80:May 80:710
Port Valdez Environmental Studies: 1976-1978, Joseph M. Colonell, EE5:Oct 80:907:15738
Preparing for Oil Spills in the Delaware River Estuary, June Lindstedt-Siva, CZ80:Nov :294
Sensitivity Ranking of Energy Port Shorelines, Miles O. Hayes, Erich R. Gundlach and Charles D. Getter, PO80:May 80:697

Oil Storage
Dynamic Behavior of Floating Storage Vessel, Robert A. Naftzger and Subrata K. Chakrabarti, WW2:May 80:157:15401
Gas and Liquid Fuel Pilpeline Seismic Design, William J. Hall and Robert P. Kennedy, C080:80:150
Strategic Petroleum Reserves: Billion Dollar Project to Provide Energy Security for U.S., Part 1 and 2, Ann E. Seltz-Petrash, CE:Aug 80:41

One Dimensional Flow
Approximate Analysis of Unsteady Laminar Flow, David Stavitsky and Enzo Macagno, HY12:Dec 80: 1973:15922

Open Channel Flow
Application of a Consistent Vortex Scaling Law, Eugene Chang, HYCO:Aug 80:272
Approximate Flood Routing Methods: A Review, P. Erwin Weinmann and Eric M. Laurenson, HY12: Dec 79:1521:15057
Calculation of Strongly Curved Open Channel Flow, Michael A. Leschziner and Wolfgang Rodi, HY10: Oct 79:1297:14927
Composite Roughness of Natural Channels, Asok K. Motayed and Muthusamy Krishnamurthy, TN: HY6:June 80:1111:15449
Dispersion in Rough Rectangular Channels, Eric M. Valentine and Ian R. Wood, HY12:Dec 79:1537: 15088
Effective Depth in Channels Having Bed Undulations, Chittoor R.S. Pillai, HY1:Jan 79:67: 14336
Experiments in Longitudinal Dispersion with Dead Zones, Eric M. Valentine and Ian R. Wood, HY8: Aug 79:999:14790
Hydraulic Features from River Flood Photography, A. B. Long, ASDC:80:76
Hydraulic Resistance of Artificial Strip Roughness, Donald W. Knight and J. Alasdair Macdonald, HY6:June 79:675:14635
Inaccuracies in the Characteristics Method, E. Benjamin Wylie, HYCO:Aug 80:165
Interaction between Main Channel and Flood-Plain Flows, Nallamuthu Rajaratnam and Reza M. Ahmadi, HY5:May 79:573:14591
Location of Cross-Drainage Structures on Channels, John Russell Tregear, ASDC:80:137
Mean Air Concentration of Self-Aerated Flows, Henry T. Falvey, TN: HY1:Jan 79:91:14275
Modeling Channel Processes with Changing Land Use, Leonard J. Lane and George R. Foster, IRKB: July 80:200
Modified Broad-Crested Weirs for Lined Canals, John A. Replogle and Albert J. Clemmens, IRKA: July 80:463
A One-Dimensional Flow Model of the Potomac River, Raymond W. Schaffranek and Robert A. Baltzer, HYCO:Aug 80:292
Open Channel Flow with Varying Bed Roughness, Donald W. Knight and J. Alasdair Macdonald, HY9:Sept 79:1167:14839
Simulation of Transient Supercritical Channel Flow, Jerome J. Zovne and C. Samuel Martin, HY7:July 79:859:14708
Techniques and Experiences in the Utilization of Unsteady Open-Channel Flow Models, Chintu Lai, Robert A. Baltzer and Raymond W. Schaffranek, HYCO:Aug 80:177
Temporal Moments for Longitudinal Dispersion, Yuh Hua Tsai and Edward R. Holley, HY12:Dec 78: 1617:14266
Theory of Minimum Rate of Energy Dissipation, Chih Ted Yang and Charles C.S. Song, HY7:July 79:769:14677
Three-Dimensional Open Channel Flow, Chao-Lin Chiu, David E. Hsiung and Hsin-Chi Lin, HY8:Aug 78:1119:13963

Turbulence Prediction in Open Channel Flow, Ruh-Ming Li, James D. Schall and Daryl B. Simons, HY4:Apr 80:575:15347
Urban Storm Sewer Flows in Coastal Areas, Chintu Lai, HYUS:June 80:244
Velocity Profiles and Minimum Stream Power, Charles C.S. Song and Chih Ted Yang, HY8:Aug 79:981:14780
Water Surface Profile for Horseshoe Tunnel, Walter W. Hu, TE2:Mar 80:133:15256
Wind Setup Effects in Large Open Channels, Johannes J. DeVries and Jaime Amorocho, WW3: Aug 80:319:15608

Openings
Box Girder Bridge Diaphragms with Openings, Michel A. Sargious, Walter H. Dilger and Hugh Hawk, ST1:Jan 79:53:14314
Concrete Beams with Small Opening under Torsion, M. Abdul Mansur and A. Hasnat, ST11:Nov 79: 2433:14970
Elastic Deformation of Beams with Web Opening, Brian K. Dougherty, ST1:Jan 80:301:15136
Strength of Composite Beams with Web Openings, David M. Todd and Peter B. Cooper, ST2:Feb 80: 431:15179

Open Pit Mining
Simulation Model for Open Pit Mine Dewatering, Catherine Kraeger-Rovey, HYCO:Aug 80:107

Operating Criteria
Multiple Operating Points in Complex Pump Networks, Michael A. Collins, Leon Cooper and Jeff L. Kennington, HY3:Mar 79:229:14452

Operation and Maintenance
New Perspectives on the Safety of Dams, Donald A. Giampaoli, EI3:July 80:265:15580

Operation and Maintenance Costs
Gillette-Madison Water Project Optimal Design, William E. West, Glen Taylor and Vance G. Lee, IRKA:July 80:431

Operations
Fault Tree Analysis for Wastewater Treatment, David L. Kelley and Richard C. Allison, EE6:Dec 79:1105:15031

Optimization
An Agricultural Instrumentation System for Optimal Use of Irrigation Water, Peter J. Prossen, Preprint No.80-130, Apr 80, 21pp.
Automated Suspension Bridge Analysis by Symmetry, Harold Samelson and Harold T. Fink, CP80:June 80:484
Automatic Active Control of Structures, Mohamed Abdel-Rohman and Horst H. Leipholz, ST3:Mar 80:663:15260
Central Arizona Project: Operations Model, William W-G. Yeh, Leonard Becker, Douglas Toy and Albert L. Graves, WR2:July 80:521:15573
Computer-Aided Design in the Corps, N. Radhakrishnan, CP80:June 80:571
Concreting and Formwork Logistics and Optimization, Marvin Gates and Amerigo Scarpa, CO2:June 78:219:13842
Construction Planning for Linear Projects, Shlomo Selinger, CO2:June 80:195:15504
Continuous Steel I-Girders: Optimum Proportioning, Abul K. Azad, ST7:July 80:1543:15575
Cost Optimization of Buildings, Alan D. Russell and Khalid T. Choudhary, ST1:Jan 80:283:15125
Decision Making and the Cost of Ignorance, Jack R. Benjamin, EFHYF:Mar 79:76
Decomposition in Optimum Structural Design, Uri Kirsch and Fred Moses, ST1:Jan 79:85:14320
Developing Optimal River Basin Solutions for Alleviating Environmental Impacts from Irrigated Agriculture, Wynn R. Walker and Gaylord V. Skogerboe, IRKA:July 80:228
Development of New Features for Ices Project/1, Edmond T. Miresco, CP80:June 80:151
Efficient Constraint Treatment in Structural Optimization, Jasbir S. Arora, Edward J. Haug and S. D. Rajan, Preprint No.80-501, Oct 80, 13pp.
Environmental Models for Screening Land-Use Plans, Michael H. Shapiro and Peter R. Rogers, UP2:Nov 79:151:14949
Expansion of Effluent Constrained Treatment Plants, Brian J. Williams, EE3:June 80:571:15469
Flow Optimization on a Transportation Network, William J. Dunlay, Jr. and Nicolau D.F. Gualda, TE1:Jan 79:41:14285
Geometric Optimization Using Simple Code Representation, William R. Spillers and George E. Kountouris, ST5:May 80:959:15396
Gillette-Madison Water Project Optimal Design, William E. West, Glen Taylor and Vance G. Lee, IRKA:July 80:431
Ground-Water Management with Fixed Charges, Eduardo Aguado and Irwin Remson, WR2:July 80: 375:15521
Harmonic Shape and Optimum Design, Rowland Richards, Jr. and Gordon S. Bjorkman, Jr., EM6: Dec 80:1125:15889
An Interactive Construction Control System for Project Planning and Estimating, A. Fattah Chalabi, Thomas W. Staehr and Rafael Lai, CP80:June 80: 140
Linear Programming Solution to Network Compression, Srilal Perera, CO3:Sept 80:315:15680
Load Management Economics with Pumped Storage, Charles R. Scherer, EY1:Apr 80:69:15314
Mini-Computers in Structural Optimum Design, Bogdan O. Kuzmanovic and Nicholas Willems, Preprint No.80-556, Oct 80, 12pp.
Noncomputer Optimization of Single-Source Networks, Pramod R. Bhave, EE4:Aug 78:799: 13956
Optimal Design of Arches Using the Complex Method, Samuel L. Lipson and Muhammad I. Haque, ST12:Dec 80:2509:15947
Optimal Design of Culverts under Uncertainties, Larry W. Mays, HY5:May 79:443:14572
Optimal Design of Gravity Flow Water Conduits, Roberto Canales-Ruiz, HY9:Sept 80:1489:15714
Optimal Design of High Rate Sedimentation Devices, Frank H. Verhoff, EE2:Apr 79:199:14512
Optimal Design of Water Distribution Networks, Antonio Cenedese and Paolo Mele, HY2:Feb 78: 237:13568
Optimal Estimation of Convolution Integrals, Mircea Grigoriu and Niels C. Lind, EM6:Dec 80:1349: 15940
Optimal Irrigation Depths — A Method of Analysis, Gideon Peri, William E. Hart and Donald I. Norum, IR4:Dec 79:341:15093
Optimal Reliability Analysis by Fast Convolution, Niels C. Lind, EM3:June 79:447:14648
Optimization in Design of Pumping Systems, Arun K. Deb, EE1:Feb 78:127:13543
Optimization of Stormwater Management Practices, Mark M. Calabrese, HYUS:June 80:183
Optimization of Unit Hydrograph Determination, Larry W. Mays and Lynn Coles, HY1:Jan 80:85: 15129
Optimizing Cooling Policy for System Power Plant, Leighton Lum and Larry W. Mays, EY1:Jan 79: 137:14334
Optimum Cable Configuration for Air-Supported Structures, David J. Malcolm and Peter G. Glockner, ST2:Feb 79:421:14381
Optimum Design to Resist Earthquakes, Emilio Rosenblueth, EM1:Feb 79:159:14395
Optimum Expenditures in Seismic Design, Emilio Rosenblueth, EM1:Feb 79:177:14396
Optimum Location of Maintenance Facilities, Lansford C. Bell and Rex K. Rainer, TE6:Nov 80: 697:15825
Optimum Proportions of Cylindrical Steel Water Tanks, Kiran K. Singh and Prabhata K. Swamee, TN: ST5:May 80:1193:15384
Practical Aspects of Town Water Planning, Paul G. Fischer, Jr. and Tsung Ting Chiang, WR1:Mar 80: 159:15279

Prestress of Truss and Frame Structures, Jan Holnicki-Szulc, ST3:Mar 79:601:14462
Primal and Dual Methods in Structural Optimization, C. Fleury and Lucien A. Schmit, ST5:May 80:1117:15431
Probabilistic Modelling as Decision Making, Mircea Grigoriu, Daniele Veneziano and C. Allin Cornell, EM4:Aug 79:585:14736
A Problem Identification and Evaluation System, David B. Brown, HW80:Mar 80:61
Problems in Applying Optimal Irrigation Plans, Charles E. Brockway and Richard G. Allen, WR1:Mar 80:255:15277
Pumped Storage Optimization in Generation Systems, James S. Windsor, WR1:May 77:99:12946
Real-Time Hourly Reservoir Operation, William W-G. Yeh, Leonard Becker and Wen-Sen Chu, WR2:Sept 79:187:14813
Sensitivity Analyses of Wastewater Treatment Plant Design Parameters, Karl G. Voelkel and Lawrence B. Polkowski, EE80:July 80:307
Shape Optimization of Trusses, M. P. Saka, ST5:May 80:1155:15437
Soap Films, Steiner Trees and Water Systems, Chan F. Lam and Pramod R. Bhave, HYCO:Aug 80:221
Southern Illinois Mine Waste Control Plan: A Summary, William C. Pisano and Gerald L. Aronson, EE1:Feb 80:55:15167
Traffic Signal Transition in Computerized Systems, C. John Macgowan, CP80:June 80:505
A Transportation System Optimization Model, Paul M. Schonfeld, CP80:June 80:530
Use of a Scale Model to Improve Pond Circulation, William A. Rozeboom, HYCO:Aug 80:1
Water Quality Modeling Using Computer Graphics, Peter N. French and Daniel P. Loucks, EE80:July 80:138
Water Resources Planning Using Computer Graphics, Peter N. French, Lynn E. Johnson, Daniel P. Loucks and Donald P. Greenberg, WR1:Mar 80:21:15235
Water Supply Planning Model for West Africa, Paul H. Kirshen, WR2:Sept 79:413:14861

Optimum Design

Arch Optimization Using Prager-Shield Criteria, George I.N. Rozvany, Wang Chien Ming and Murray Dow, EM6:Dec 80:1279:15914
Concrete Reinforcing Net: Safe Design, Zdenek P. Bazant, Tatsuya Tsubaki and Ted B. Belytschko, ST9:Sept 80:1899:15705
Inelasticity of Reinforced Concrete and Structural Standards, M. Z. Cohn, ST11:Nov 79:2221:14985
Interactive Optimal Design of Dynamically Loaded Structures, M. A. Bhatti, K. S. Pister and E. Polak, Preprint No.80-635, Oct 80, 17pp.
Optimal Design of Aortic Leaflet Prosthesis, Dhanjoo N. Ghista, Helmut Reul, Gautam Ray and K. B. Chandran, EM1:Feb 78:97:13521
Optimal Design of Arches Using the Complex Method, Samuel L. Lipson and Muhammad I. Haque, ST12:Dec 80:2509:15947
Optimal Design of Culverts under Uncertainties, Larry W. Mays, HY5:May 79:443:14572
Optimal Design of Water Conveyance Systems, Quentin W. Martin, HY9:Sept 80:1415:15672
Optimal Structural Design with Plate Finite Elements, Birendra Prasad and Raphael T. Haftka, ST11:Nov 79:2367:15004
Plastic Design under Combined Stresses, Donald E. Grierson and Ahmed A. Aly, EM4:Aug 80:585:15606

Optimum Development Plans

Energy-Wate:-Salinity: Upper Colorado River Basin, Marshall Flug, Wynn R. Walker and Gaylord V. Skogerboe, WR2:Sept 79:305:14844

Optimum Use

Application of System Optimal Depth Concept, Donald I. Norum, Gideon Peri and William E. Hart, IR4:Dec 79:357:15094
Optimal Irrigation Depths — A Method of Analysis, Gideon Peri, William E. Hart and Donald I. Norum, IR4:Dec 79:341:15093

Ordinances

Land-Use Planning: Grows More Exact with the Help of USGS, CE:Feb 79:84

Ordinary Differential Equations

Eigenvalues for $\Delta\phi+\lambda\phi=0$ in Regular Polygons, Peter Bettess, TN: EM6:Dec 80:1433:15871

Oregon

Chemical Impacts of Dredging and Offshore Disposal in Coos Bay, Oregon, P. O. Nelson and Kenneth J. Williamson, Preprint No.80-132, Apr 80, 15pp.
Designing for Deficit Irrigation, Marshall J. English and G. S. Nuss, IRKA:July 80:312
Esthetics in Oregon Bridges — McCullough to Date, Louis F. Pierce, Preprint No.80-026, Apr 80, 20pp.
Federal Consistency—Is It Working? A Perspective From the Pacific Northwest, Donald E. Lawyer, CZ80:Nov 80:2123
Geomorphic Indices of Hydrologic Characteristics, James R. Maxwell and Richard A. Marston, IRKB:July 80:1
The Impact of Various Service Level Policies on Pavements in Portland, Louis W. Bruneau, Preprint No.80-088, Apr 80, 10pp.
Portland District's Experience with Inertial Survey, Roger J. Campbell, Preprint No.80-028, Apr 80, 11pp.
Turbidity and Suspended Sediment Relationships, Robert L. Beschta, IRKB:July 80:271
Upgrading Lagoon Effluents with Rock Filters, Gregory R. Swanson and Kenneth J. Williamson, EE6:Dec 80:1111:15887
Water System Improvement Program in Eugene, Oregon, James H. Brown, Preprint No.80-014, Apr 80, 15pp.

Organic Compounds

Convection Limited Sorption Kinetics in Packed Beds, David W. Hendricks, EE4:Aug 80:727:15605
Mathematical Modeling of the Displacement of Preadsorbed Organics in Fixed-Bed Adsorbers, John C. Crittenden, Bryant W.C. Wong, William E. Thacker, Vernon L. Snoeyink and Richard L. Hinrichs, EE80:July 80:274
Multiple-Tap Column Design for Adsorbents, Kent E. Zenobia and Irwin H. Suffet, TN: EE4:Aug 80:852:15588
Occurence of Organic Compounds and Removal by AWT Processes, Kip Kuchon, EE80:July 80:612
Organics Removal by Ion Exchange-Process Design, Christine Ann Macko and Walter J. Maier, EE80:July 80:394
Parameter Choice for Process Control, Edward D. Schroeder and Robert L. Irvine, EE2:Apr 79:217:14516
Removal of Soluble Secondary-Effluent Organics, Stephen J. Randtke and Perry L. McCarty, EE4:Aug 79:727:14763
Shock Load Attenuation by a Trickling Filter, Echol E. Cook and Leland P. Herning, EE3:June 78:461:13814
Trace Organics Removal by Advanced Waste Treatment, Martin Reinhard, Carla J. Dolce, Perry L. McCarty and Dave G. Argo, EE4:Aug 79:675:14760

Organic Loading

Control of Trihalomethanes Using Powdered Carbon, Mark C. Anderson, R. C. Butler, B. H. Kornegay and W. D. Pfoutz, EE80:July 80:378

Organic Nitrates

Removal of Soluble Secondary-Effluent Organics, Stephen J. Randtke and Perry L. McCarty, EE4:Aug 79:727:14763

Organizations
Day-to-Day Management of Large Engineering Projects, Frank G. Jenes and Rodney D. Stroope, EI4:Oct 80:327:15735
Development of an Individual Within a Matrix Organization, H. Cecil Allen, Preprint No.80-650, Oct 80, 11pp.
The Effect of Organization Culture on Managers, Lawrence A. Salomone, Preprint No.80-503, Oct 80, 13pp.
Evaluating PCM Firm Potential and Performance, Clyde B. Tatum, CO3:Sept 79:239:14802
Improving the Effectiveness of Engineering Organizations, Melville D. Hensey and Kenneth Gibble, EI1:Jan 80:21:15156
Management System for Large Engineering Firm, W. Dennis Moran, William F. Sommerfeld and R. Timothy Heatwole, TC1:Aug 80:41:15616
A New Matrix Organization for a Contractor, Clyde B. Tatum, Preprint No.80-683, Oct 80, 22pp.
A New Matrix Organization for a Design Firm, Gary D. Bates, Donald J. Junker and Gerald Roenker, Preprint No.80-533, Oct 80, 10pp.
Organizational Development for Small Consulting Firms, Kenneth Gibble, EI3:July 79:143:14711
Organization and Control of Engineering Design Firms, Robert D. Logcher and Raymond E. Levitt, EI1:Jan 79:7:14302
Organization Change in A Turbulent Environment, Melville D. Hensey, Preprint No.80-684, Oct 80, 9pp.
The Organization: Its Effect on Project Managers, W. Eugene Estes and Arnold M. Ruskin, Preprint No.80-615, Oct 80, 14pp.
Radical Change Requires a Firm Foundation, Robert L. Kimmons, Preprint No.80-682, Oct 80, 17pp.

Organization Theory
Guidelines for Successful Construction Management, Donald S. Barrie, CO3:Sept 80:237:15686
Matrix Management May Meet Your Needs for the 80s, Robert J. Cardinal, EI1:Jan 80:27:15157
Organizational Development for Small Consulting Firms, Kenneth Gibble, EI3:July 79:143:14711
Organization and Control of Engineering Design Firms, Robert D. Logcher and Raymond E Levitt, EI1:Jan 79:7:14302

Orientation
Computer Modeling of Clay Structure and Mechanics, Ronald F. Scott and Michael J.K. Craig, GT1:Jan 80:17:15128
Human Orientation in Transportation Terminals, John P. Braaksma and W. Jordan Cook, TE2:Mar 80:189:15274

Origin and Destination Studies
Gravity Model Based on Perceived Traveltimes, Jerry E. Bennett, TE1:Jan 80:59:15140

Orthophotos
Damsite Works Layout and Access Road Location, Keith A. Murley, ASDC:80:114
Mapping Massachusetts Wetlands, Robert W. Foster, SU1:Nov 80:95:15818

Orthotropic Plate
Combined-Load Buckling of Orthotropic Skew Plates, John B. Kennedy and Madanapalli K. Prabhakara, EM1:Feb 79:71:14363
Linearity in Limit Design of Orthotropic Slabs, Harinatha B. Goli and Hans Gesund, ST10:Oct 79:1901:14928
Postbuckling of Orthotropic Plate Structures, John B. Kennedy and Madanapalli K. Prabhakara, ST7:July 80:1497:15518
Two-Way Flexure of Steel-Deck-Reinforced Slabs, Charles R. Kubic and J. Hartley Daniels, ST6:June 79:1039:14633

Orthotropism
Continuum Model of Medium with Cracks, Mark Kachanov, EM5:Oct 80:1039:15750

Oscillation
Measurements of Bed Load in Oscillatory Flow, John F.A. Sleath, WW3:Aug 78:291:13960
Sand Bed Friction Factors for Oscillatory Flows, Philip Vitale, WW3:Aug 79:229:14754
Surface Dispersion in Wave Flume, Aysen Ergin, WW4:Nov 80:449:15854

Oscillations
Pumping Due to Unbiased Local Wall Oscillations, David Stavitsky and Enzo Macagno, EM4:Aug 80:677:15619

Oscillators
First-Passage Approximations for Simple Oscillators, Loren D. Lutes, Yu-Tang Tom Chen and Shen-Ho Tzuang, EM6:Dec 80:1111:15894

Osmosis
Shear Strength and Swelling of Clays Under Suction, Amos Komornik, Moshe Livneh and S. Smucha, SLS:June 80:206

Outfall Sewers
Bouyant Jet Behavior Near the Maximum Rise, Roger B. Wallace and Steven J. Wright, HYCO:Aug 80:356
Environmental Case History of an Ocean Outfall, Noel J. Williams, Richard B. Meighan, Donald D. Treadwell and George J. Murphy, CZ80:Nov 80:703
Honolulu Sewage Plant Pioneers Advanced Primary Treatment, Has Deepest Ocean Outfall, Wallace S. Miyahira and Stanley T. Yamanaka, Jr., CE:June 79:76
Line Plume and Ocean Outfall Dispersion, Philip J.W. Roberts, HY4:Apr 79:313:14488
Ocean Outfall Dilution: Effects of Currents, Philip J.W. Roberts, HY5:May 80:769:15429
San Francisco Ocean Outfall Port Valve Development, Loring E. Hanson, Henry H.C. Lin, Allen L. Davis, John S. Readshaw and Robert T. Hudspeth, HYCO:Aug 80:51

Outflows
Short Thermal River Diffusers, Alfred David Parr, J. G. Melville and J. J. Dlubac, HYCO:Aug 80:131

Overconsolidated Soils
Cam-Clay Predications of Undrained Strength, Paul W. Mayne, GT11:Nov 80:1219:15816

Overconsolidation
Dynamic Properties of Two Marine Clays, Demetrious C. Koutsoftas and Joseph A. Fischer, GT6:June 80:645:15499
In Situ Tests by Flat Dilatometer, Silvano Marchetti, GT3:Mar 80:299:15290

Overflow
Approximate BOD Treatment Requirements for Urban Runoff, Udai P. Singh, Ronald L. Wycoff and Gregory L. Tate, EE1:Feb 79:3:14360
Calculating Overflows from Combined Sewer Systems, Kirke E. Larson, EE5:Oct 79:829:14883
Combined Sewer Overflow Controls for Boston Harbor, John R. Elwood, William F. Callahan and John A. Mueller, EE80:July 80:464
Modeling Combined Sewer Storage Alternatives, Gregory L. Shahabian, Anthony J. Graham and George E. Kamedulski, EE80:July 80:480
Municipal Sewage: Three Communities Try to Cope, Allen Morrison, CE:Sept 80:90
Storm Water Treatment with Minor Plant Alterations, George R. Brower, Robert H. Brotherton and John B. Kincaid, EE80:July 80:472

Overflows
A Cheap Solution to Pollution from Combined-Sewer Overflows, CE:Nov 79:83
Modeling Storm Overflow Impacts on Eutrophic Lake, Paul L. Freedman, Raymond P. Canale and James F. Pendergast, EE2:Apr 80:335:15355

Overland Flow
Chemical Transfer into Overland Flow, John J. Ingram and David A. Woolhiser, IRKB:July 80:40
Converging Flow Model Applied to Urban Catchment, Franklin W. Ellis, Fred V. Ramsey and George M. Hornberger, HY9:Sept 80:1457:15711
Estimating Sediment Yield from Cultivated Fields, George R. Foster, Leonard J. Lane and Walter G. Knisel, Jr., IRKB:July 80:151
Forage Grass Growth on Overland Flow Systems, Antonio J. Palazzo, C. James Martel and Thomas F. Jenkins, EE80:July 80:347
Groundwater Response during Runoff Events, Michael G. Sklash and Robert N. Farvolden, IRKB: July 80:743
Origin and Evolution of the SCS Runoff Equation, Robert E. Rallison, IRKB:July 80:912
Overland/Instream Contaminant Migration Modeling, Stuart M. Brown and Yasuo Onishi, HYCO:Aug 80:397
Rational Design of Overland Flow Systems, C. James Martel, Donald Dean Adrian, Thomas F. Jenkins and Robert E. Peters, EE80:July 80:114
Watershed Parameters as Influenced by Grazing, W. H. Blackburn, R. W. Knight, M. K. Wood and L. B. Merrill, IRKB:July 80:552

Overloads
Aggradation in Streams Due to Overloading, Jagdish P. Soni, Ramachandra J. Garde and Kittur G. Ranga Raju, HY1:Jan 80:117:15147

Overpasses
The Fly-Over: It Unclogs Urban Traffic in A Hurry, William W. Pleasants, CE:May 80:71

Overtopping
Wave Run-up Influence on Overtopping of Levees, Date H. Keuning and Jan B.M. van Acker, HY5: May 79:589:14588

Overturning Tests
Earthquake Rocking Response of Rigid Bodies, Mohammad Aslam, William G. Godden and D. Theodore Scalise, ST2:Feb 80:377:15182
Track Gage Widening: Model Study, Allan M. Zarembski and Mostafa Rassaian, TE6:Nov 79:715: 14998

Oxidation
Biological Oxidation of Coke Plant Effluent, Richard G. Luthy and Lisa D. Jones, TN: EE4:Aug 80:847: 15588
Engineering Design Variables for the Activated Sludge Process, Lloyd W. Weller, Chmn., EE3:June 80:473:15509
Organics in Water—An Engineering Challenge, Perry L. McCarty, EE1:Feb 80:1:15180
Treating Industrial Wastewater of Varying Quality and Quantity, Sydney H. Stilley, EE80:July 80:553

Oxygen
Kinetics of Pure Oxygen Activated Sludge, Gedaliah Shelef and Michal Green, EE6:Dec 80:1099:15884

Oxygenation
Alpha, Beta, and Theta Factors For Oxygen Transfer Testing, Michael K. Stenstrom and R. Gary Gilbert, EE80:July 80:86
Effect of Design on Economy of Aerobic Digestion, Otto Brody, EE2:Apr 79:383:14547
Laboratory Studies of Gas Tracers for Reaeration, Ronald E. Rathbun, D. W. Stephens, David J. Shultz and D. Y. Tai, EE2:Apr 78:215:13679
Oxygen Transfer at Hydraulic Structures, Sean T. Avery and Pavel Novak, HY11:Nov 78:1521:14190
Simplified Diurnal Curve Analysis, John B. Erdmann, EE6:Dec 79:1063:15026
Storm Water Treatment with Minor Plant Alterations, George R. Brower, Robert H. Brotherton and John B. Kincaid, EE80:July 80:472

Oxygen Content
Parameter Choice for Process Control, Edward D. Schroeder and Robert L. Irvine, EE2:Apr 79:217: 14516

Oxygen Demand
Oxygen Transfer Measurements in Respiring Systems, John R. Stukenberg, EE80:July 80:78
Reservoir Metalimnion Oxygen Demands, John A. Gordon and Basil A. Skelton, EE6:Dec 77:1001: 13437
Sediment Oxygen Demand and Nutrient Release, Preston S. Chiaro and Dennis A. Burke, EE1:Feb 80:177:15206

Oxygen Transport Mechanisms
Alpha, Beta, and Theta Factors For Oxygen Transfer Testing, Michael K. Stenstrom and R. Gary Gilbert, EE80:July 80:86
Oxygen Transfer Measurements in Respiring Systems, John R. Stukenberg, EE80:July 80:78
Proposed Modifications of K_2—Temperture Relation, Linfield C. Brown and Michael K. Stenstrom, TN: EE6:Dec 80:1193:15869

Ozone
Characterization of Ozone Episodes in Urban Air, Richard A. Wadden, Edgar D. Ross and Jimmie E. Quon, EE4:Aug 79:621:14733
Ozone Inactivation of Floc Associated Viruses and Bacteria, Douglas S. Walsh, Charles E. Buck and Otis J. Sproul, EE4:Aug 80:711:15601
Stationary and Mobile Source Controls and Tradeoffs, Salvatore J. Bellomo and Jawaharlal Mehra, CAAA:Nov 79:153
Transportation Controls to Promote Air Quality: The San Francisco Bay Area Experience, Vincent Petrites, CAAA:Nov 79:179
Transportation in New Jersey and the Clean Air Act, James Newcomb, CAAA:Nov 79:114
The Use of Photochemical Grid Models to Analyze Transportation Actions, Martin H. Weiss, CAAA: Nov 79:322

Ozonization
Characterization of Ozone Episodes in Urban Air, Richard A. Wadden, Edgar D. Ross and Jimmie E. Quon, EE4:Aug 79:621:14733
Occurence of Organic Compounds and Removal by AWT Processes, Kip Kuchon, EE80:July 80:612

Paddles
Paddle Generated Waves in Laboratory Channels, Reinhard E. Flick and Robert T. Guza, WW1:Feb 80:79:15175

Painting
Specifying Pipeline Construction, Milton J. Hecker, TE4:July 79:361:14699

Paleoclimatology
Session IV—Non-Meteorologic Data, William R. Boggess, EFHYF:Mar 79:422

Paleoecology
Environmental Information From Sediments, David P. Adam, EFHYF:Mar 79:206

Panels
Analysis of Geodesic Panel Domes, William C. Carpenter, G. Gonzalez and J. Platz, Preprint No.80-538, Oct 80, 13pp.
Cyclic Response Of Steel-Stud Framed Wall Panels, Thomas S. Tarpy, Jr., EM81:Jan 81:631
Nonlinear Elastic Analysis of Panelized Shear Sandwich Walls, Paul P. Fazio and Santi Rizzo, ST6:June 79:1187:14649

Paper Industry
River Clean-Up Plan Developed with Citizens and Industry, Harold J. Day, W. Elman, D. Theiler and R. Christianson, CE:Mar 80:78

Paper Mills
Organic Material and Soil Compressibility, Orlando B. Andersland and Abdul-Amir W.N. Al-Khafaji, GT7:July 80:749:15546

Parabolic Bodies
Bending Analysis of Parabolic Velaroidal Shells, Hassoun A. Hadid and Paul P. Lynn, ST7:July 80: 1609:15570

Parallax
Dynamic Response of Pile-Supported Frame Foundations, Fakhry Aboul-Ella and Milos Novak, EM6:Dec 80:1215:15895

Parameters
Analytical M-Θ Curves for End-Plate Connections, Natarajan Krishnamurthy, Horng-Te Huang, Paul K. Jeffrey and Louie K. Avery, ST1:Jan 79:133: 14294
Dynamic Estimation of Settling Basin Performance, Sadataka Shiba, Yoriteru Inoue and Yasuyo Ueda, EE6:Dec 79:1113:15045
Parameter Estimation of Streeter-Phelps Models, Sergio Rinaldi, Paolo Romano and Rodolfo Soncini-Sessa, EE1:Feb 79:75:14377

Parking
Honolulu International Airport Groundside Plan, Edward C. Stevenson and Julian Ng, MGC:July 80: 212
The Long Beach Downtown Transportation Project, Wes R. Fryszlacki, MGC:July 80:195
Neighborhood Traffic Controls, Martin E. Lipinski, TE3:May 79:213:14558

Parking Facilities
Improving Parking Efficiency through TSM, Larry John Matel, TE1:Jan 80:11:15131
Intermodal Transportation Garage Facility, Alfred J. Pacelli, TE4:July 80:401:15540
TSM Planning for Fringe Parking Transit, Kenneth W. Wester and Michael J. Demetsky, TE3:May 79: 279:14562

Parking Lots
Parking Lot Impact on Water Quality, Peter E. Black, IRKB:July 80:541

Parks
Beachfront Restoration Using Water Quality Programs, Owen W. Bludau, CZ80:Nov 80:2342
Citizens and Project Design: Management Team, John F. Metzger and David C. Colony, UP1:Nov 80:59:15855
Coastal Management Policy Emphasis in an Urban National Recreation Area, Herbert S. Cables and John T. Tanacredi, CZ80:Nov 80:213
The Coast in Washington State, Charles H. Odegaard, CZ80:Nov 80:1354
The East Everglades: Perservation Versus Land Use, Richard Collier, Jr., CZ80:Nov 80:2150
Extended Aeration Treatment at Maryland State Parks, James E. Alleman and Joanne S. Colt, EE80:July 80:175
Marine Ecosystem Management, George W. Robertson, CZ80:Nov 80:72
Renovation of New York Harbor, Theodore Civetta, Jr. and Philip C. Sears, CZ80:Nov 80:898
The Role of a State Geological Survey in Barrier Island Management: A Critical Link Between Research and Policy, Randall T. Kerhin, Kenneth N. Weaver and Jeffrey P. Halka, CZ80:Nov 80: 1289

Partially Saturated Soils
Fluid Wave Propagation in Saturated and Nearly Saturated Sand, N. Foster Allen, Frank E. Richart, Jr. and Richard D. Woods, GT3:Mar 80:235:15286
A Foundation Code for Expansive Soil Conditions, Joseph G. Zeitlen and Amos Komornik, SLS:June 80:609

Particle Interactions
Interparticle Action and Rheology of Dispersive Clays, Raymond N.Y. Yong, Amar J. Sethi, Harald P. Ludwig and Mary A. Jorgensen, GT10:Oct 79: 1193:14903

Particles
Particle Contacts in Discrete Materials, Dimitri Athanasiou-Grivas and Milton E. Harr, TN: GT5: May 80:559:15432

Particle Size
Particle Size Distribution Effects on Turbidity, Thomas Arthur Holstrom and Richard H. Hawkins, IRKB:July 80:283
Riverbed Improves over Time: South Fork Salmon, Walter F. Megahan, William S. Platts and Bert Kulesza, IRKB:July 80:380
Sediment-Morphology Relations of Alluvial Channels, Waite R. Osterkamp, IRKB:July 80:188

Particle Size Distribution
Particle Size Distribution Effects on Turbidity, Thomas Arthur Holstrom and Richard H. Hawkins, IRKB:July 80:283
Significance of Particle Size Distribution Similarity in Prediction of Swell Properties, R. Rama Rao and P. Smart, SLS:June 80:96

Particulate Air Pollutants
Analysis of Nonattainment Area Plan for TSP, C. Philip Arthur, CAAA:Nov 79:206
Meteorological Impacts on Urban Sulfate Levels, William A. Turner and Constantine J. Gregory, EE2:Apr 80:311:15348

Partitions (Mathematics)
Decomposition in Optimum Structural Design, Uri Kirsch and Fred Moses, ST1:Jan 79:85:14320

Passenger Terminals
Atlanta's New Central Passenger Terminal Complex, James F. Kortan, TE6:Nov 80:765:15821
First Line of Atlanta's New Transit System Opens, CE:July 79:77

Passenger Transportation
Honolulu International Airport Groundside Plan, Edward C. Stevenson and Julian Ng, MGC:July 80: 212
Making TheBus Better, Walter Kudlick, Akira Fujita, Howard Takara and Robert R. Way, MGC:July 80: 332
Overview of DOE Programs for Energy Efficiency in Transportation, Richard T. Alpaugh and James S. Moore, MGC:July 80:148
Paratransit in Developing Countries, Sigurd Grava, MGC:July 80:278
Quantifying Emission Impacts of High Occupancy Vehicles, Frank C. Yu, CAAA:Nov 79:294

Passenger Vehicles
Energy Conservation Through Improved Aerodynamics, Frank T. Buckley, Jr., MGC:July 80:160

Passive Pressure
Zero-Extension Line Theory of Dynamic Passive Pressure, Arsalan Ghahramani and Samuel P. Clemence, GT6:June 80:631:15489
Zero Extension Line Theory of Earth Pressure, Karim Habibagahi and Arsalan Ghahramani, GT7: July 79:881:14702

Pasture
Sediment from a Small Summer Grazed Watershed, David H. Fortier, Myron Molnau and Keith E. Saxton, IRKB:July 80:790

Pavement Condition
Management Systems for Pavement Maintenance, Fred N. Finn, TE4:July 79:457:14709

Pavement Rehabilitation: Identifying the Need, Michael I. Darter and Mohamed Y. Shahin, TE1: Jan 80:1:15135

Pavement Damage
Pavement Rehabilitation: Identifying the Need, Michael I. Darter and Mohamed Y. Shahin, TE1: Jan 80:1:15135

Pavement Design
Slow Trend for Asphalt with H_2O, John J. Carroll and Donald M. Harriott, CE:Oct 79:76
Structural Analysis of Concrete Pavement Systems, Amir M. Tabatabaie and Ernest J. Barenberg, TE5: Sept 80:493:15671

Pavement Deterioration
Transportation Engineering Research Needs, CE:Nov 79:89

Pavement Joints
Cracking in Concrete Pavements, Robert C. Deen, James H. Havens, Assaf S. Rahal and W. Vernon Azevedo, TE2:Mar 80:155:15273

Pavement Markings
The PMD Program—One State's View, Roger L. Hatton, HW80:Mar 80:149

Pavements
Amelioration of Roadside Obstacle Crashes, Paul H. Wright and Leon S. Robertson, TE6:Nov 79:609: 14974
Condition Evaluation of Jointed Concrete Airfield Pavement, Mohamed Y. Shahin, Michael I. Darter and Starr D. Kohn, TE4:July 80:381:15527
Deep Vertical Fabric Moisture Seals, Malcolm L. Steinberg, SLS:June 80:383
Economic Effect of Heavy Trucks on Highways, C. Michael Walton and Dock Burke, MGC:July 80: 105
Expansive Roadbed Treatment for Southern Africa, D. J. Weston, SLS:June 80:339
The Impact of Various Service Level Policies on Pavements in Portland, Louis W. Bruneau, Preprint No.80-088, Apr 80, 10pp.
Load Response of Transportation Support Systems, Lutfi Raad and Jose L. Figueroa, TE1:Jan 80:111: 15146
Management Systems for Pavement Maintenance, Fred N. Finn, TE4:July 79:457:14709
Resilient Properties of Subgrade Soils, Marshall R. Thompson and Quentin L. Robnett, TE1:Jan 79:71: 14293
Resilient Response of Two Frozen and Thawed Soils, Edwin J. Chamberlain, David M. Cole and Thaddeus C. Johnson, GT2:Feb 79:257:14398
Terminal Usage of Batch Programs in Highway Design, Conrad G. Keyes, Jr., John Minor and Kenneth R. White, CP80:June 80:350

Payment
Executive Summary, W. Stell Huie, CRLS:Jan 79:II-1

Peak Floods
Long-Term Impacts of Surface Mining on Streamflow, R. C. Sidle and H. A. Menser, IRKB: July 80:598
Optimal Sequence of Incremental Precipitation, Anand Prakash, TN: HY12:Dec 78:1668:14199

Peaking Capacities
Feasibility of Five Low-Head Hydro Projects, James V. Williamson and Anthony Wayne Pietz, EY1:Apr 80:57:15327

Peak Runoff
Estimating Design Flows for Urban Drainage, Samuel O. Russell, Bruce F.I. Kenning and Greg J. Sunnell, HY1:Jan 79:43:14317
Sediment Transport in a Pool-Riffle Stream, James Milligan, Edward Chacho and Myron Molnau, IRKB:July 80:430

Peak Values
Improved Hydrologic Forecasting—Why and How, William P. Henry, Chmn., EFHYP:Mar 79

Peat
Treatment of Peaty Clay by High Energy Impact, Salem D. Ramaswamy, Mohamed A. Aziz, Raja V. Subrahmanyam, M. H. Abdul Khader and Seng-Lip Lee, GT8:Aug 79:957:14787

Pedestrian Malls
The Des Moines Skywalk System, C. Todd Heglund, Preprint No.80-557, Oct 80, 14pp.

Pedestrians
Simplified Investigation of Floors under Foot Traffic, Rachel Becker, ST11:Nov 80:2221:15804

Pedestrian Safety
Highway Safety Research and Implementation, Edwin M. Wood, HW80:Mar 80:207
The PMD Program—One State's View, Roger L. Hatton, HW80:Mar 80:149

Pedestrian Traffic Flow
The Des Moines Skywalk System, C. Todd Heglund, Preprint No.80-557, Oct 80, 14pp.
The Long Beach Downtown Transportation Project, Wes R. Frysztacki, MGC:July 80:195
Simplified Investigation of Floors under Foot Traffic, Rachel Becker, ST11:Nov 80:2221:15804

Peer Groups
Peer Accountability for Rationale of Impact Statements, David A. Bella, EI3:July 78:203:13906
Risks and Liabilities in Engineering Practice, John P. Gnaedinger, Walter E. Hanson and Narbey Khachaturian, EI4:Oct 79:207:14920

Penetration
Assessment of Empirical Concrete Impact Formulas, George E. Sliter, ST5:May 80:1023:15411
Local Effects of Tornado-Generated Missiles, Anil K. Kar, ST5:May 78:809:13775
Membrane Penetration and Its Effect on Pore Pressures, Manfred Kiekbusch and Bernd Schuppener, GT11:Nov 77:1267:13331
Penetration of Projectile into Terrestrial Target, Ching H. Yew and P. P. Stirbis, EM2:Apr 78:273: 13703
Projectile Penetration into Steel, Anil K. Kar, ST10: Oct 79:1871:14874
Structural Response of R/C Slabs to Tornado Missiles, Peter M. McMahon, Subir K. Sen, Bernard L. Meyers and Kenneth P. Buchert, ST3: Mar 79:547:14443

Penetration Resistance
Liquefaction Study of Cemented Sand, Sam Frydman, David Hendron, Harry Horn, Joav Steinbach, Rafael Baker and Benzion Shaal, GT3: Mar 80:275:15289
Penetrability for Discriminating in Rock and Soil, Panaghiotis C. Kotzias and Aris C. Stamatopoulos, TN: GT2:Feb 80:193:15193
Probabilistic Evaluation of Penetration Resistances, Wilson H. Tang, GT10:Oct 79:1173:14902

Penetration Resistance (Soils)
Penetration of Projectile into Terrestrial Target, Ching H. Yew and P. P. Stirbis, EM2:Apr 78:273: 13703

Penetration Tests
Cone Resistance as Measure of Sand Strength, James K. Mitchell and Tom A. Lunne, GT7:July 78:995: 13901
Equivalent Linear Model for Predicting Settlements of Sand Bases, Issa S. Oweis, GT12:Dec 79:1525: 15051
SPT and Relative Density in Coarse Sands, William F. Marcuson, III and Wayne A. Bieganousky, GT11:Nov 77:1295:13350

Pennsylvania
Controlling Nonpoint Source Pollution from Commercial Clearcuts, Keith E. Mussallem and James A. Lynch, IRKB:July 80:669
Freedom and Environmental Quality, P. Walton Purdom, EI3:July 77:211:13057
Hydro Expansion Studies at Holtwood and Safe harbor, Purshotam L. Chai and William N. Strobel, EY2:Aug 79:265:14771
Lake Process Models Applied to Reservoir Management, Wesley L. Bradford and David J. Maiero, EE5:Oct 78:981:14100
Pennsylvania's Proposed Emission I/M Program, Maurice R. Devin, CAAA:Nov 79:120
Remote Sensing and Mine Subsidence, Orville R. Russell, Roger V. Amato and Thomas V. Leshendok, TE2:Mar 79:185:14467

Pensions
Engineers and the Professional Corporation, William S. Feiler, EI3:July 80:219:15543

Penstocks
Failure of Riveted and Forge-Welded Penstock, Charles J. Trenkle, EY1:Jan 79:93:14283

People Movers
Atlanta's New Airport Terminal—One Year Early, Within Budget, CE:Nov 80:54
Atlanta's New Central Passenger Terminal Complex, James F. Kortan, TE6:Nov 80:765:15821
Transferability of Demand Estimation Procedures, Jere J. Hinkle, TE4:July 80:369:15545
Two Pacific Region Peoplemovers, Gary A. Weinstein, MGC:July 80:315

Perched Water
Legal Aspect of Expansive Soils, Fu Hau Chen, SLS: June 80:639

Percolation
Optimal Seasonal Irrigation Application Analysis, William E. Hart, Donald I. Norum and Gideon Peri, IR3:Sept 80:221:15687

Perforating
Local Effects of Tornado-Generated Missiles, Anil K. Kar, ST5:May 78:809:13775
Perforated Plates as Hydraulic Energy Dissipators, James Paul Tullis, James J. Powers, III, Paul F. Shiers and Whitney W. Hall, HYCO:Aug 80:62
Perforation of Reinforced Concrete Slabs, Peter P. Degen, ST7:July 80:1623:15579

Performance
The Behaviour and Design of Housing Slabs on Expansive Clays, John E. Holland, William G. Pitt, Charles E. Lawrance and Dominic J. Cimino, SLS: June 80:448
Coastal Zone Management Evaluation: Some Alternatives, John L. Kermond, CZ80:Nov 80:412
Construction Equipment Downtime Costs, V. Pathmanathan, TN: CO4:Dec 80:604:15870
Contractual Arrangements—C, Max E. Greenberg, CRLS:Jan 79:II-100
Design of Statfjord B Articulated Loading Platform, Marjorie A. Prosuch, PO80:May 80:385
Earthquake Response of Offshore Platforms, Robert G. Bea, Jean M.E. Audibert and M. Radwan Akky, ST2:Feb 79:377:14386
Evaluating Pile Performance During Earthquakes, Issa S. Oweis, Preprint No.80-111, Apr 80, 27pp.
Fault Tree Analysis for Wastewater Treatment, David L. Kelley and Richard C. Allison, EE6:Dec 79:1105:15031
First-Crossing of Second-Moment Variables, Daniele Veneziano, EM5:Oct 79:747:14904
GEOTRACK Model for Railroad Truck Performance, Ching S. Chang, Clement W. Adegoke and Ernest T. Selig, GT11:Nov 80:1201:15819
Highway Design Criteria: Problems and Projections, Graeme D. Weaver, C. V. Wootan and Donald L. Woods, HW80:Mar 80:38
Identification and Nature of Risks—A, W. Stell Huie, CRLS:Jan 79:II-15
Improving Performance in Rapid Transit Systems, Harvison Hunt, TE4:July 79:393:14710
Improving Productivity in Hot Weather at Remote Areas, Arthur E. Seleen, EI3:July 80:249:15565
Making TheBus Better, Walter Kudlick, Akira Fujita, Howard Takara and Robert R. Way, MGC:July 80: 332
Managing Nuclear Construction-An Experience Survey, Clyde B. Tatum, CO4:Dec 78:487:14233
Marine Fender Specifications, Robert A. Young, PO80:May 80:547
Markings and Delination in Safety Construction, Gerald P. Balcar, HW80:Mar 80:135
Measured Performance of Newtown Creek Culvert, Ernest T. Selig, Charles W. Lockhart and Richard W. Lautensleger, GT9:Sept 79:1067:14850
Performance of Bridge Abutments on Spread Footings, Albert F. DiMillio, Preprint No.80-534, Oct 80, 9pp.
Performance of Package Water Treatment Plants, James M. Morand and Matthew J. Young, EE80: July 80:526
Productivity, Performance, and Planning, Jarir S. Dajani, UP1:May 78:47:13718
Rationale of Contract Awards and Contract Systems, Purushottam S. Gore, CO4:Dec 80:507:15888
Secondary Treatment Alternatives: Suspended Growth, Gordon L. Culp, Chmn., EE2:Apr 79:283: 14528
Spray Application of Wastewater Effluent in a Cold Climate: Performance Evaluation of a Full-Scale Plant, E. Allan Cassell, Donald W. Meals, J. R. Bouzoun, C. James Martel and Wallace A. Bronson, EE80:July 80:620
Steady-State Estimation of Cooling Pond Performance, Gerhard H. Jirka and Masataka Watanabe, TN: HY6:June 80:1116:15449
Structural Analysis of Concrete Pavement Systems, Amir M. Tabatabaie and Ernest J. Barenberg, TE5: Sept 80:493:15671
Use of a Scale Model to Improve Pond Circulation, William A. Rozeboom, HYCO:Aug 80:1

Performance Characteristics
Improving the Employee Performance Appraisal Process, Melville D. Hensey, EI3:July 80:181:15531

Performance Evaluation
Improving the Effectiveness of Engineering Organizations, Melville D. Hensey and Kenneth Gibbie, EI1:Jan 80:21:15156
Improving the Employee Performance Appraisal Process, Melville D. Hensey, EI3:July 80:181:15531
Post-Tensioning System Surveillance Program, George E. Drew, ST2:Feb 79:347:14383

Performance Rating
Improving the Employee Performance Appraisal Process, Melville D. Hensey, EI3:July 80:181:15531
Practical Bridge Code Calibration, Andrzej S. Nowak and Niels C. Lind, ST12:Dec 79:2497:15061

Performance Standards
Union Challenges to Methods Improvement Programs, H. Randolph Thomas, Jr. and Mason P. Holland, CO4:Dec 80:455:15876

Periodic Functions
Prediction of Extreme Wave Heights and Wind Velocities, Liu Teh-fu and Ma Feng-shi, WW4:Nov 80:469:15862

Permafrost
Design of an LNG Terminal in Canada's High Arctic, Alvin F. McDonald, PO80:May 80:489
Design of Deep Foundations in Discontinuous Permafrost, Arvind Phukan, Preprint No.80-122, Apr 80, 21pp.
Dynamic Properties of Frozen Silt Under Cyclic Loading, Ronald L. Czajkowski and Ted S. Vinson, GT9:Sept 80:963:15702

Parameter Effects on Dynamic Properties of Frozen Soils, Ted S. Vinson, GT10:Oct 78:1289:14109

Permeability
Aquifer Tests at San Lorenzo Dam, El Salvador, Jing-Yea Yang and Sanford I. Strausberg, HYCO: Aug 80:119
Consolidation and Strength Properties of a Clay, Tien H. Wu, Nien Y. Chang and Elfatih M. Ali, GT7: July 78:889:13891
Engineering Properties of Soil-Lime Mixes, Mohamed M. Aly Sabry and James V. Parcher, TE1:Jan 79:59:14278
Head Losses in Packer Tests, Peter J. Moore and Roberto E. Balbis, TN: GT9:Sept 79:1108:14798
Hydrogeology of a Shallow Till Under Irrigation, M. James Hendry, IRKA:July 80:21
Permeability and Piping in Fractured Rocks, Richard E. Goodman and Panchanatham N. Sundaram, GT5:May 80:485:15433
Pore Distribution and Permeability of Silty Clays, Ignacio Garcia-Bengochea, Charles William Lovell and Adolph G. Altschaeffl, GT7:July 79:839:14686
Preparation of Friable Aguiferous Specimens, Paul Francis Worthington, TN: HY2:Feb 80:333:15165
The Pretreatment of Clay Soils for Road Construction, D. H. van der Merwe, F. Hugo and A. P. Steyn, SLS:June 80:361
Self-Consistent Techniques for Heterogeneous Media, Michael P. Cleary, I-Wei Chen and Shaw-Ming Lee, EM5:Oct 80:861:15769
Soil and Vegetation Covers for Reducing Leachates from Landfills, Damodar S. Airan, George H. Snyder and David Strasberg, Preprint No.80-652, Oct 80, 13pp.
Soil-Bentonite Slurry Trench Cutoffs, David J. D'Appolonia, GT4:Apr 80:399:15372
Urbanization Impact on Streamflow, Leo R. Beard and Shin Chang, HY6:June 79:647:14623
Wave Forces on Pipeline Buried in Permeable Seabed, Hugh MacPherson, WW4:Nov 78:407: 14187

Permeability (Soils)
Confined Flow in Aquifer Containing Thin Layer, Charles W. Lenau, EM4:Aug 80:719:15630
New Cell For Study of Swelling Soils, Gerard Didier, Richard Kastner and Yvan Bourdeau, SLS:June 80: 18
Stochastic Model of Flow Through Stratified Soils, Elfatih M. Ali, Tien H. Wu and Nien Y. Chang, GT6:June 80:593:15487

Permeability Tests
Head Losses in Packer Tests, Peter J. Moore and Roberto E. Balbis, TN: GT9:Sept 79:1108:14798

Permeameters
Research Analysis of Plastic Filters, Phillip M. Demery, IRKA:July 80:398

Permits
Barrier Beach Protection in Massachusetts, Stanley M. Humphries and Jeffrey R. Benoit, CZ80:Nov 80:1809
Chesapeake Bay Development Pressures: RAMS Data Base Analysis, Russell C. Eberhart and Thomas J. Dolan, CZ80:Nov 80:532
Cumulative Impact Assessment-California Coastal Law, William Milan Boyd, CZ80:Nov 80:1321
The East Everglades: Perservation Versus Land Use, Richard Collier, Jr., CZ80:Nov 80:2150
Energy Facilities and the California Coast, William R. Ahern, CZ80:Nov 80:379
Energy Facility Planning and Siting in the Coastal Zone, Donald E. Glass, CZ80:Nov 80:396
EPA Launches Program to Control Hazardous Wastes, Eugene E. Dallaire, CE:Dec 78:39
Federal Consistency—Is It Working? A Perspective From the Pacific Northwest, Donald E. Lawyer, CZ80:Nov 80:2123
General Permits: Method of Criteria Development, James W. Holton, Jr., CZ80:Nov 80:1026
Interagency Permit Review Lessons of Experience, Joseph S. LeGath and Robert L. Lippson, CZ80: Nov 80:1638
Intergovernmental Corrdination in North Carolina, Hubert Glenn T. Dunn and Charles W. Hollis, CZ80:Nov 80:2027
Is There Life Beyond Mitigation?, Robert M. Snyder, CZ80:Nov 80:470
Legal Standard for Coastal Development Permission, Jonathan M. Davidson, CZ80:Nov 80:1341
NEWCO and SCA — Harbingers for Future Hazardous Waste Siting Wrangles?, Peter N. Skinner, EE80:July 80:657
Port Permitting Problems, Marcia Kenney, CZ80:Nov 80:791
Scientific Collecting in South Florida: Problems with Permits, Eugene A. Shinn, CZ80:Nov 80:2017
A Strategy for State Participation in Outer Continental Shelf Exploration Decisions, Marie Murphy, CZ80:Nov 80:1078
Wetlands Reviews — A Califorina Experience, Hugh Converse and Jill Shapiro, CZ80:Nov 80:1829

Personnel
Construction Contract Staffing Needs, H. Randolph Thomas, Jr., Jack H. Willenbrock and James L. Burati, Jr., CO2:June 80:101:15481
Coordinated Advancement for Professionals, Robert L. Kimmons, EI3:July 80:227:15529
Day-to-Day Management of Large Engineering Projects, Frank G. Jenes and Rodney D. Stroope, EI4:Oct 80:327:15735
Section Handbook for Implementation of Manual 55, Philip J. Dinauer, EI4:Oct 79:179:14875
Utilization of Contract Administration Resources, H. Randolph Thomas, Jr., Jack H. Willenbrock and James L. Burati, Jr., CO2:June 80:117:15480

Personnel Development
Development of an Individual Within a Matrix Organization, H. Cecil Allen, Preprint No.80-650, Oct 80, 11pp.
Research Needs in Lifeline Earthquake Engineering, Irving J. Oppenheim, Chmn., TC2:Dec 79:343: 15089

Personnel Management
Development of an Individual Within a Matrix Organization, H. Cecil Allen, Preprint No.80-650, Oct 80, 11pp.
Improving Productivity in Hot Weather at Remote Areas, Arthur E. Seleen, EI3:July 80:249:15565
Public Engineers—Why the Least Happy Category of Civil Engineers?, Kneeland A. Godfrey, Jr., CE: Mar 80:86
Radical Change Requires a Firm Foundation, Robert L. Kimmons, Preprint No.80-682, Oct 80, 17pp.
State DOT Personnel Administration, H. Randolph Thomas, Jr., Jack H. Willenbrock and James L. Burati, Jr., TE3:May 80:317:15418

Pert
Critical Path Scheduling: An Overview, Steven S. Pinnell, CE:July 80:66

Perturbation
Perturbation Solutions for Water-Table Aquifers, Edmund A. Prych, TN: HY4:Apr 80:603:15305
Postbuckling of Orthotropic Plate Structures, John B. Kennedy and Madanapalli K. Prabhakara, ST7:July 80:1497:15518

Perturbation Theory
General Imperfection Analysis in Shallow Arches, Cenap Oran, EM6:Dec 80:1175:15907
Perturbation Methods in Diffraction, John V. Wehausen, TN: WW2:May 80:290:15385

Peru
Construction and Design of Light Structures in Peru, A. Carrillo-Gil, SLS:June 80:469

Pesticides
Developing Optimal River Basin Solutions for Alleviating Environmental Impacts from Irrigated Agriculture, Wynn R. Walker and Gaylord V. Skogerboe, IRKA:July 80:228
Overland/Instream Contaminant Migration Modeling, Stuart M. Brown and Yasuo Onishi, HYCO:Aug 80:397

Petrographic Analysis
Preparation of Friable Aguiferous Specimens, Paul Francis Worthington, TN: HY2:Feb 80:333:15165

Petroleum
Impact of Energy on Future Transportation Systems, Robert L. Maxwell, TE4:July 80:415:15562
Irrigation Prospects in Bendel State of Nigeria, Paul A.C. Okwuobi, IR1:Mar 79:99:14459

Petroleum Geology
Floating Piers, Gregory P. Tsinker and Eugene Vernigora, PO80:May 80:230

Petroleum Pipelines
Gas and Liquid Fuel Pilpeline Seismic Design, William J. Hall and Robert P. Kennedy, C080:80: 150

Petroleum Products
Urban Transportation: Outlook and Policy, Milton Pikarsky, UT79A:July 79:35

Petroleum Refining
North Carolina Oil Refineries—Who Makes Decision?, Anne Taylor, CZ80:Nov 80:1045

Petroleum Transportation
Evaluation of Deepwater Oil Terminals: A Case Study, C. Michael Walton, MGC:July 80:85

Petrology
Examination of Degraded Aggregate Cement Value Test, Gerald Patrick Raymond, TE3:May 79:329: 14595

Ph
The Effect of Complex Formation on the Removal of Heavy Metals from Water and Wastewater, C. P. Huang and A. R. Bowers, EE80:July 80:240
Field Study for Landsat Water Quality Verification, Donald Steven Graham and J. M. Hill, AS80:Aug 80:101
Fluoride, Nitrate, Arsenic, and Selenium Removal From Small Community Water Supplies, Dennis Clifford, Maheyar Bilimoria, Gurinder Singh and Tom Sorg, EE80:July 80:514
Modeling Framework to Address AWT Decisions, Thomas W. Gallagher and Richard P. Winfield, EE80:July 80:604
Municipal/Industrial Waste Landfill Simulators, James J. Walsh, Riley N. Kinman and Nancy S. Neely, EE80:July 80:62

Phenol
Soil Solution Chemistry and Slash Disposal, George E. Hart, Norbert V. DeByle and Robert W. Hennes, IRKB:July 80:318

Philippine Islands
Wharf Design in the Philippines, James Simpson and Estello C. Tumblod, WW4:Nov 79:375:14995

Philippines
Laguna de Bay Water Resources Development, Ernest Pariset, EE6:Dec 77:1021:13420
Materials Availability Study of the Dickey-Lincoln Dam Site, Carolyn J. Merry, Harlan L. McKim and Edwin A. Blackey, Jr., ASDC:80:158
Water Supply Feasibility Studies in Philippines, Leonardo V. Gutierrez, Jr., UP1:May 78:59:13726

Phosphate Deposits
Composite Water Movement in a Sloping Phosphate Mine Dump, Roland W. Jeppson and Eugene E. Farmer, IRKB:July 80:855
Phosphate Mine Dump Hydrology, Eugene E. Farmer, IRKB:July 80:846
Phosphate Mining in Southeast Idaho, Edward B. Connors, IRKB:July 80:867
Snow-Erosion Relationships on Mine Waste Dumps, Myron Molnau and Edward Chacho, IRKB:July 80: 877

Phosphorus
Engineering Design Variables for the Activated Sludge Process, Lloyd W. Weller, Chmn., EE3:June 80:473:15509
Eutrophication-Related Water Quality in Dillon Reservoir, H. Kirk Horstman, G. Fred Lee and R. Anne Jones, EE80:July 80:144
Nonpoint Pollution from Agricultural Watersheds, James A. Ayars, John C. Inman and Gwendolyn McClung, IRKB:July 80:974
Spray Application of Wastewater Effluent in a Cold Climate: Performance Evaluation of a Full-Scale Plant, E. Allan Cassell, Donald W. Meals, J. R. Bouzoun, C. James Martel and Wallace A. Bronson, EE80:July 80:620
Trophic State of LaFarge Reservoir, John R. Kiefer, EE6:Dec 79:1095:15040

Phosphorus Compounds
Biokinetics of Phosphorus Removal in PHOSTRIP Activated Sludge, Raymond W. Reagan and John B. Nesbitt, EE80:July 80:282
A Ten Year Improvement in Water Quality in a Major Okanagan Valley Lake as a Result of Municipal Wastewater Phosphorus Reduction, Agris Berzins, EE80:July 80:627

Photochemical Reactions
Selection of Air-Quality Models, A. L. Wilson and T. A. Peters, TC1:Apr 79:113:14494
The Use of Photochemical Grid Models to Analyze Transportation Actions, Martin H. Weiss, CAAA: Nov 79:322

Photoelastic Studies
Unstiffened Pipe Riser Clamps, Umesh Chandra, Pen J. Fang and Everett E. McEwen, EY2:Oct 80:113: 15730

Photogrammetric Surveys
Making Maps by Computer—City and Utilities Team Up in Pioneer Effort, CE:Feb 79:56

Photogrammetry
Airborne Laser Acquisition of Cross-Section Data, John G. Collins and William B. Krabill, AS80:Aug 80:175
Block Triangulation by Bundles and Stereo-Units, G. Warren Marks, Edward M. Mikhail and J. Christopher McGlone, SU1:Nov 80:1:15849
Comparison of Areal Snow Sampling Procedures, Walter J. Rawls, Thomas J. Jackson and J. F. Zuzel, IRKB:July 80:356
Damsite Works Layout and Access Road Location, Keith A. Murley, ASDC:80:114
Estuarine Circulation from Dye-Buoy Photogrammetry, John C. Munday, Jr., Christopher S. Welch and Hayden H. Gordon, PO80:May 80: 417
Locating Reservoirs with Landsat: "A Texas Example", E. Charles Palmer, Samuel D. McCulloch and A. E. Richardson, ASDC:80:11
Location and Remediation of Abandoned Hazardous Wastes Sites, Norman H. Nosenchuck, EE80:July 80:560
Low-Investment Access to LANDSAT Digital Analysis, Roger G. Anderson and Elaine I. Marinello, CP80:June 80:37
Mapping America is Never-Ending Task for USGS, Morris M. Thompson, CE:Feb 79:77
National Wetlands Inventory Project, Bill O. Wilen and Rudolf Nyc, CZ80:Nov 80:1847

Remote Sensing for Water Resource Surveys, R. H. Kinsey, ASDC:80:55
RMLR: What It Means to the Civil Engineer, Joel N. Orr, SU80:June 80:229
Surveying and Mapping Research 1978-1988: An Overview, Morris M. Thompson, SU1:Nov 79:43: 14957
Transmission Line Surveys by Analytical Stereoplotter, Kirk E. Williams and Wallace C. Wilson, Preprint No.80-108, Apr 80, 16pp.
Use of Digital Terrain Data in Topographic Analysis, Siamak Khorram and H. Gregory Smith, ASDC:80: 368

Photographic Analysis
Monitoring Noxious Plant Spread in Reservoirs, Arthur R. Benton, Jr., ASDC:80:21
Photobathymetry, James Collins, ASDC:80:82

Photographic Film
Uses of Small Format Aerial Photography, R. H. Kinsey, ASDC:80:63

Photographs
Gravel Size Analysis from Photographs, John Adams, HY10:Oct 79:1247:14908
Photographic Record and Time Delays, Richard P. Maher, CO3:Sept 80:341:15674

Photography
Photogeodesy, James Collins, ASDC:80:309

Photointerpretation
Evaporation Basin Study at Boundary Bend, D. M. Ife, ASDC:80:144
A Seismo-Tectonic Study of the Western Narmada Valley Using Landsat Imagery, S. N. Pandey, ASDC:80:171

Photometers
Quantitative Chlorophyll Mapping Using Ultra-Narrow Band Airborne Photography (Abstract), Edward Wedler, AS80:Aug 80:53

Photovoltaic Effect
Energy From Space, Ann E. Seltz-Petrash, CE:July 79:53

Phreatic Lines
Canal Seepage with Boundary at Finite Depth, Heramb D. Sharma and Amrik S. Chawla, HY7: July 79:877:14715
Unsaturated Flow Beneath Tailings Impoundments, David B. McWhorter and John D. Nelson, GT11: Nov 79:1317:14999

Phreatic Water
Transient Seepage Analysis of Guri Dam, Chi-Yuan Wei and William Y.J. Shieh, TC1:Apr 79:135:14503

Physical Properties
Summary of Open Discussion, D. R. Snethen, A. Ruckman, D. G. Fredlund, R. L. Lytton, R. G. McKee, W. G. Holtz, M. L. Steinburg, D. H. van der Merwe, Z. Ofer, C. Coffee, E. Stepkowska, B. Balasubramonian, A. A.B. Williams, H. Reitz and P. Mitchell, SLS:June 80:717

Phytoplankton
Modeling Framework to Address AWT Decisions, Thomas W. Gallagher and Richard P. Winfield, EE80:July 80:604

Piers
Behavior of Rigid Piers in Layered Cohesive Soils, Nabil F. Ismael and Tony W. Klym, GT8:Aug 78: 1061:13969
Case History: Concrete-Filled Steel Pipe Piles, David E. Thompson and John W. Critchfield, GTDF:80:444
Concreting and Formwork Logistics and Optimization, Marvin Gates and Amerigo Scarpa, CO2:June 78:219:13842
Drag of Yawed Pile Groups at Low Reynolds Numbers, David J. Ball and Clifford D. Hall, WW2:May 80:229:15425
Instrumented Drilled Shafts in Clay-Shale, Patrick M. Goeke and Paul A. Hustad, Aff., GTDF:80:149
Methodology for Foundations on Expansive Clays, Michael W. O'Neill and Nader Poormoayed, GT12: Dec 80:1345:15949
Pull-Out Load Test of a Drilled Pier in Very Stiff Beaumont Clay, Richard A. Pearce and Carl L. Brassow, GTDF:80:331
Shaft Resistance of Rock-Socketed Drilled Piers, Robert G. Horvath and T. Cameron Kenney, GTDF:80:182
Uplift and Bearing Capacity of Short Piers in Sand, Nabil F. Ismael and Tony W. Klym, GT5:May 79: 579:14568

Piers (Docks)
Bridge Pier Protective Systems, R. T. Mancill, Jr. and K. N. Derucher, PO80:May 80:778
Effects of Directional Sea In Model Testing, J. Kirkegaard, S. E. Sand, N.-E. Ottesen Hansen and M. Hvidberg Knudsen, PO80:May 80:597
Fire Protection on Petroleum Jetty's, O. M. Slye, Jr., PO80:May 80:681
Floating Piers, Gregory P. Tsinker and Eugene Vernigora, PO80:May 80:230
Mooring System Management, John Mascenik and Richard B. Harley, PO80:May 80:763
POL Pier Damage Investigation and Recommendations, Chinymiim Chern and James C. Wright, PO80:May 80:399
Port Energy Conservation, Carlton H. Joseph, PO80: May 80:89
Surging in the Shark River Boat Basin, J. Richard Weggel and Robert M. Sorensen, PO80:May 80: 640

Piezometers
Site Studies, Coastal/Geotechnical Aspects, Ralph H. Cross, George B. Tirey and Jin H. Kim, PO80:May 80:429

Piezometric Head
Storage Coefficients from Ground-Water Maps, Brij M. Sahni and Harbhajan S. Seth, IR2:June 79:205: 14658

Pile Bearing Capacities
Bearing Capacity of Steel Core Piles, Hakan Bredenberg and Bengt B. Broms, GTDF:80:48
Behavior of Driven Piles on Soft Limestone, Curtis J. Roos and E. W. Lingo, GTDF:80:365
Capacities of Steel H Piles Supported in Shale, Larry G. O'Dell and Alan N. Stilley, GTDF:80:288
Case History: Concrete-Filled Steel Pipe Piles, David E. Thompson and John W. Critchfield, GTDF:80:444
Case History: Pile Foundation in Flood Plain Soils, K. A. Kessler, GTDF:80:215
High Capacity Pile Foundations for China Steel Corporation Integrated Steel Mill, W. C. Wan, Paul Engeling and Edith A. Hacker, GTDF:80:495
Indicator Pile and Load Test Program, Oliver H. Gilbert, Jr., Mahmut Otus and Joseph Corollo, GTDF:80:122
Pile Foundations in Swelling Soils, E. A. Sorochan, SLS:June 80:845
Rational Approach to Pile Foundations, Michael M. Blendy, GTDF:80:38
Stress Measurements for Offshore Piles Driving, Wendell R. Vines and Jack J. Amar, GTDF:80:475
A Study of Axial Pile Load Tests, Shailendra N. Endley, Edward J. Ulrich, Jr. and Janice B. Gray, GTDF:80:101
Timber Piles in Fine-Silty Sand, Raj P. Khera, Tonis Raamot and Morris Berkowitz, GTDF:80:235
Timber Pile Study, Exisiting Structure, Frank D. Grefsheim, GTDF:80:166

Pile Caps
Pile Cap Soil Interaction from Full-Scale Lateral Load Tests, Jai B. Kim, Lakshman P. Singh and Robert J. Brungraber, GT5:May 79:643:14571

Pile Driving
Behavior of Driven Piles on Soft Limestone, Curtis J. Roos and E. W. Lingo, GTDF:80:365
Driveability of Piles in Pacific Northwest Soils, Ralph N. Boirum, Ming-Jiun Wu and George Yamane, Preprint No.80-094, Apr 80, 22pp.
Driven Piling in the Northwest, Hal W. Hunt and Edward J. Stuber, Preprint No.80-125, Apr 80, 17pp.
Effect of Soil Set Up on Pile Driveability in Chalk, Vasant N. Vijayvergiya, Aylmer P. Cheng and Henricus J. Kolk, GT10:Oct 77:1069:13293
Effects of Piles Driving Systems on Driveability and Capacity of Concrete Piles, Christopher David Thompson and David Elliot Thompson, GTDF:80:420
Field Evaluation of Hammer Efficiency and Pile Driving Criteria, Dunstan D. S. Chen, James V. Toto and I. H. Wong, GTDF:80:64
Field Study of Pipe Driving Effects on Nearby Structures, David M. Holloway, Yoshiharo Moriwaki, Edward C. Demsky, Bruce H. Moore and Jean Yves Perez, Preprint No.80-175, Apr 80, 38pp.
Foundation Response Caused by Disturbance of Clay, Richard P. Weber, GT5:May 78:583:13765
Indicator Pile and Load Test Program, Oliver H. Gilbert, Jr., Mahmut Otus and Joseph Corollo, GTDF:80:122
Load Tests on Piles Driven into Cretaceous Sand, Richard E. Ackley and Richard L. Sanders, GTDF:80:1
Measured Effects of Vibratory Sheetpile Driving, G. Wayne Clough and Jean-Lou Chameau, GT10:Oct 80:1081:15778
New Aspects of Soil Fracturing in Clay, Karl Rainer Massarsch, GT8:Aug 78:1109:13961
New Graving Dry Dock at Tampa, Florida, Robert I. Young, WW1:Feb 80:19:15184
Predrilling: Minimizes the Undesirable Effects of Pile Installation?, Richard P. Ray, Edward J. Ulrich, Jr. and James Malinak, GTDF:80:459
Stress Measurements for Offshore Piles Driving, Wendell R. Vines and Jack J. Amar, GTDF:80:475
Timber Piles in Fine-Silty Sand, Raj P. Khera, Tonis Raamot and Morris Berkowitz, GTDF:80:235
Vibrations Associated with Pile Driving, William S. Heckman and D. Joseph Hagerty, CO4:Dec 78:385:14205
What to Do If You Think A Pile Claim Is Coming, Robert A. Rubin, CO4:Dec 78:503:14202

Pile Driving Equipment
Effects of Piles Driving Systems on Driveability and Capacity of Concrete Piles, Christopher David Thompson and David Elliot Thompson, GTDF:80:420

Pile-Driving Formulas
Capacities of Steel H Piles Supported in Shale, Larry G. O'Dell and Alan N. Stilley, GTDF:80:288
Field Evaluation of Hammer Efficiency and Pile Driving Criteria, Dunstan D. S. Chen, James V. Toto and I. H. Wong, GTDF:80:64
Timber Piles in Fine-Silty Sand, Raj P. Khera, Tonis Raamot and Morris Berkowitz, GTDF:80:235

Pile Extraction
Progress in Marine Geotechnical Engineering, John A. Focht, Jr. and Leland Milo Kraft, Jr., GT10:Oct 77:1097:13301

Pile Foundation Design
Bearing Capacity of Steel Core Piles, Hakan Bredenberg and Bengt B. Broms, GTDF:80:48
Pile Foundation Analysis, William E. Saul, Preprint No.80-102, Apr 80, 20pp.
Predicition and Verification of Friction Pile Behavior, Michael W. Montgomery, GTDF:80:274
Timber Piles in Fine-Silty Sand, Raj P. Khera, Tonis Raamot and Morris Berkowitz, GTDF:80:235

Pile Foundation Performance
Timber Pile Study, Exisiting Structure, Frank D. Grefsheim, GTDF:80:166

Pile Foundations
Analysis of Piles in Clay Against Earthquakes, Shamsher Prakash and V. Chandrasekaran, Preprint No.80-109, Apr 80, 20pp.
Approximate Approach to Contact Effects of Piles, Milos Novak and Mohammed Sheta, GTA80:Oct 80:53
Bearing Capacity of Steel Core Piles, Hakan Bredenberg and Bengt B. Broms, GTDF:80:48
Bored Pile Groups under Vertical Load in Sand, Krishan G. Garg, GT8:Aug 79:939:14786
Bridge Pier Protective Systems, R. T. Mancill, Jr. and K. N. Derucher, PO80:May 80:778
Case History: Concrete-Filled Steel Pipe Piles, David E. Thompson and John W. Critchfield, GTDF:80:444
Case History: Pile Foundation in Flood Plain Soils, K. A. Kessler, GTDF:80:215
Coefficients of Soil Reaction to Pile Vibration, Toyoaki Nogami and Milos Novak, TN: GT5:May 80:565:15432
Design and Construction of Short Piles for Expansive Soils in Coro, Venezuela, Leopoldo Garcia-Iturbe and Jorge Martinez, SLS:June 80:850
Downdrag on Bitumen-Coated Piles, Mohsen M. Baligh, Vitoon Vivatrat and Heinrich Figi, GT11:Nov 78:1355:14141
Dynamic Pile Interaction, Kin Y.C. Chung and Robert D. Stoll, Preprint No.80-038, Apr 80, 22pp.
Dynamic Response of Piles in Offshore Platforms, Robert G. Bea, GTA80:Oct 80:80
Effect of Soil Set Up on Pile Driveability in Chalk, Vasant N. Vijayvergiya, Aylmer P. Cheng and Henricus J. Kolk, GT10:Oct 77:1069:13293
Evaluating Pile Performance During Earthquakes, Issa S. Oweis, Preprint No.80-111, Apr 80, 27pp.
High Capacity Pile Foundations for China Steel Corporation Integrated Steel Mill, W. C. Wan, Paul Engeling and Edith A. Hacker, GTDF:80:495
Indicator Pile and Load Test Program, Oliver H. Gilbert, Jr., Mahmut Otus and Joseph Corollo, GTDF:80:122
Interaction of Piles and Cap in Piled Footings, Joe O. Akinmusuru, TN: GT11:Nov 80:1263:15790
Load Tests on Piles Driven into Cretaceous Sand, Richard E. Ackley and Richard L. Sanders, GTDF:80:1
Measured Response of Pile Supported Machines, Gerald M. Diaz, GTDF:80:75
Pile Foundation Analysis, William E. Saul, Preprint No.80-102, Apr 80, 20pp.
Pile Foundations for One Market Plaza, Edward E. Rinne and Michael W. Stobbe, GTDF:80:343
Pile Foundations in Swelling Soils, E. A. Sorochan, SLS:June 80:845
Pile-Supported Polygonal Mat Foundation for Circular Tanks, Keith H. Denson, Preprint No.80-010, Apr 80, 9pp.
Predicition and Verification of Friction Pile Behavior, Michael W. Montgomery, GTDF:80:274
Predrilling: Minimizes the Undesirable Effects of Pile Installation?, Richard P. Ray, Edward J. Ulrich, Jr. and James Malinak, GTDF:80:459
Progress in Marine Geotechnical Engineering, John A. Focht, Jr. and Leland Milo Kraft, Jr., GT10:Oct 77:1097:13301
Rational Approach to Pile Foundations, Michael M. Blendy, GTDF:80:38
Rational Approach to Pile Foundations, Michael M. Blendy, GTDF:80:38
Static and Dynamic Laterally Loaded Floating Piles, Roger L. Kuhlemeyer, GT2:Feb 79:289:14394
Use of Piling in Frozen Ground, Frederick E. Crory, Preprint No.80-172, Apr 80, 21pp.
Wharf Design in the Philippines, James Simpson and Estello C. Tumblod, WW4:Nov 79:375:14995

Pile Friction
Field Evaluation of Hammer Efficiency and Pile Driving Criteria, Dunstan D. S. Chen, James V. Toto and I. H. Wong, GTDF:80:64
Vibrations Associated with Pile Driving, William S. Heckman and D. Joseph Hagerty, CO4:Dec 78:385: 14205

Pile Groups
Bored Pile Groups under Vertical Load in Sand, Krishan G. Garg, GT8:Aug 79:939:14786
Drag of Yawed Pile Groups at Low Reynolds Numbers, David J. Ball and Clifford D. Hall, WW2:May 80:229:15425
Dynamic Stiffness and Damping of Pile Groups in Inhomogeneous Soil, Toyoaki Nogami, GTA80:Oct 80:31
Dynamic Stiffness of Group of Battered Piles, John P. Wolf, TN: GT2:Feb 80:198:15193
Group Factors for Pile-Deflection Estimation, Harry G. Poulos, GT12:Dec 79:1489:15032
Pile Field Support Prefabricated Plants Floated into Place, Elmer Isaak and Sidney Johnson, CE:Jan 80: 61
Uplift of Drilled Rigid Piers in Loose Sand, H. B. Poorooshasb, Preprint No.80-544, Oct 80, 14pp.

Pile Hammers
Behavior of Driven Piles on Soft Limestone, Curtis J. Roos and E. W. Lingo, GTDF:80:365
Field Evaluation of Hammer Efficiency and Pile Driving Criteria, Dunstan D. S. Chen, James V. Toto and I. H. Wong, GTDF:80:64
Indicator Pile and Load Test Program, Oliver H. Gilbert, Jr., Mahmut Otus and Joseph Corollo, GTDF:80:122
Stress Measurements for Offshore Piles Driving, Wendell R. Vines and Jack J. Amar, GTDF:80:475

Pile Lateral Loads
The Behavior of Steel Rocket Shaped Pile, Peter Y. Lee and Lawrence W. Gilbert, GTDF:80:253

Pile Loading Tests
Behavior of Driven Piles on Soft Limestone, Curtis J. Roos and E. W. Lingo, GTDF:80:365
Bored Pile Groups under Vertical Load in Sand, Krishan G. Garg, GT8:Aug 79:939:14786
Case History: Concrete-Filled Steel Pipe Piles, David E. Thompson and John W. Critchfield, GTDF:80:444
Case History: Pile Foundation in Flood Plain Soils, K. A. Kessler, GTDF:80:215
Dynamic Response of Piles in Offshore Platforms, Robert G. Bea, GTA80:Oct 80:80
Effects of Piles Driving Systems on Driveability and Capacity of Concrete Piles, Christopher David Thompson and David Elliot Thompson, GTDF:80: 420
Indicator Pile and Load Test Program, Oliver H. Gilbert, Jr., Mahmut Otus and Joseph Corollo, GTDF:80:122
Instrumented Drilled Shafts in Clay-Shale, Patrick M. Goeke and Paul A. Hustad, Aff., GTDF:80:149
Intrusion Pile Foundation Case History, Larry G. O'Dell and John M. Pool, GTDF:80:300
Offshore Vertical and Lateral Pile Load Tests on Composite Friction Piles, Pend Oreille Lake, Idaho, Clair A. Waite, Steven A. Narkiewicz and Walter V. Jones, Preprint No.80-127, Apr 80, 21pp.
Pile Foundations for One Market Plaza, Edward E. Rinne and Michael W. Stobbe, GTDF:80:343
Rational Approach to Pile Foundations, Michael M. Blendy, GTDF:80:38
A Study of Axial Pile Load Tests, Shailendra N. Endley, Edward J. Ulrich, Jr. and Janice B. Gray, GTDF:80:101
A Study of Downdrag on a Cast-in-Place Concrete Pile, Antal Partos, GTDF:80:311
Timber Piles in Fine-Silty Sand, Raj P. Khera, Tonis Raamot and Morris Berkowitz, GTDF:80:235

Pile Load Tests (Cyclic Loading)
The Behavior of Steel Rocket Shaped Pile, Peter Y. Lee and Lawrence W. Gilbert, GTDF:80:253
A Study of Axial Pile Load Tests, Shailendra N. Endley, Edward J. Ulrich, Jr. and Janice B. Gray, GTDF:80:101

Pile Load Tests (Lateral Loading)
The Behavior of Steel Rocket Shaped Pile, Peter Y. Lee and Lawrence W. Gilbert, GTDF:80:253
Load Tests on Piles Driven into Cretaceous Sand, Richard E. Ackley and Richard L. Sanders, GTDF: 80:1

Piles
Impedance Functions of Piles in Layered Media, Milos Novak and Fakhry Aboul-Ella, EM3:June 78: 643:13847
Laboratory Tests on Model Piled Raft Foundations, Terence J. Wiesner and Peter T. Brown, GT7:July 80:767:15576
Repeated Loading on Single Piles in Sand, Sin-Fatt Chan and Thomas H. Hanna, GT2:Feb 80:171: 15222
Seismic Responses of Flexible Piles, Takaaki Kagawa and Leland M. Kraft, Jr., GT8:Aug 80:899:15656
Vertical Vibration of Piles, Roger L. Kuhlemeyer, GT2:Feb 79:273:14393
Wave Forces on Multiple Vertical Cylinders, Subrata K. Chakrabarti, WW2:May 78:147:13727

Piles (Foundations)
Group Factors for Pile-Deflection Estimation, Harry G. Poulos, GT12:Dec 79:1489:15032
Model Study of Load Transfer in Slender Pile, Ravi P. Aurora, Edward H. Peterson and Michael W. O'Neill, TN: GT8:Aug 80:941:15639
Settlement of Single Piles in Nonhomogeneous Soil, Harry G. Poulos, GT5:May 79:627:14575

Piles and Pile Driving
Case History: Pile Foundation in Flood Plain Soils, K. A. Kessler, GTDF:80:215
Pile Foundations for One Market Plaza, Edward E. Rinne and Michael W. Stobbe, GTDF:80:343

Pile Settlement
Settlement of Single Piles in Nonhomogeneous Soil, Harry G. Poulos, GT5:May 79:627:14575

Pile Stresses
Effects of Piles Driving Systems on Driveability and Capacity of Concrete Piles, Christopher David Thompson and David Elliot Thompson, GTDF:80: 420

Pile Structures
Stand-Off Force on Ships Moored in Strong Current, Jitendra Khanna and Torben Sorensen, PO80:May 80:731

Pile Tests
Behavior of Driven Piles on Soft Limestone, Curtis J. Roos and E. W. Lingo, GTDF:80:365
Case History: Concrete-Filled Steel Pipe Piles, David E. Thompson and John W. Critchfield, GTDF:80:444
Effects of Piles Driving Systems on Driveability and Capacity of Concrete Piles, Christopher David Thompson and David Elliot Thompson, GTDF:80: 420
Intrusion Pile Foundation Case History, Larry G. O'Dell and John M. Pool, GTDF:80:300
Pile Foundations for One Market Plaza, Edward E. Rinne and Michael W. Stobbe, GTDF:80:343
Pile Foundations in Swelling Soils, E. A. Sorochan, SLS:June 80:845
Predicition and Verification of Friction Pile Behavior, Michael W. Montgomery, GTDF:80:274
Stable Embedment Depth of Piles in Swelling Clay, D. David and A. Komornik, SLS:June 80:798
Timber Pile Study, Exisiting Structure, Frank D. Grefsheim, GTDF:80:166

Pine Trees
Opportunities and Problems in Planning the New Jersey Pinelands and Coastal Zone, John W. Sinton, CZ80:Nov 80:137

Pine Wood
Design and Construction of the Greenborough Footbridge, H. R. Carlin-Smith, MGC:July 80:290

Pipe Bedding
Study of Pipe with Concrete Bedding—Part III, Harvey C. Olander and James W. Davidson, TE6: Nov 80:631:15838

Pipe Cradles
Study of Pipe with Concrete Bedding—Part III, Harvey C. Olander and James W. Davidson, TE6: Nov 80:631:15838

Pipe Design
Basic Pipe Stress Evaluation Summary, Gerald F. Mouser, TE4:July 79:349:14691
Computer Design of Microirrigation Pipe Systems, Roland P. Perold, IR4:Dec 79:403:15060
Computerized Irrigation Pipe Network Design, Jack Keller and Gary Z. Watters, Preprint No.80-091, Apr 80, 21pp.
A Design Method for Fiberglass Pipe, Larry J. Petroff, Preprint No.80-558, Oct 80, 14pp.
Economical Pipe Sizing for Irrigation Systems, Leo A. Kinney, Jr. and Michael R. Moncrief, IRKA: July 80:445
Gillette-Madison Water Project Optimal Design, William E. West, Glen Taylor and Vance G. Lee, IRKA:July 80:431
Influence of Soil-Pipe Interaction on Pipeline Design, Syed Ahmed, Ralph W. McMickle and Carl L. Brassow, Preprint No.80-050, Apr 80, 23pp.
New Approach to Storm Drainage Pipe Design, Gary Lockwood, CE:Mar 80:59
Nonsymmetrical Loadings on Pipe, Wayne Winter Smith, TE3:May 79:307:14584
Optimal Design of Water Distribution Networks, Antonio Cenedese and Paolo Mele, HY2:Feb 78: 237:13568
Pipe Joints, Joint Spacing and Joint Movement Considerations in the Design of Pipelines, Duane B. Ford, Preprint No.80-126, Apr 80, 22pp.
Pitfalls in Pipe Network Analysis Techniques, Michael A. Collins, TE5:Sept 80:507:15675
Size Determination of Partly Full Conduits, Yusuf G. Mussalli, HY7:July 78:959:13862

Pipe Flow
Extended Set of Components in Pipe Networks, M. Chandrashekar, HY1:Jan 80:133:15130
General Algorithm for Rough Conduit Resistance, Sushil Kumar and John A. Roberson, HY11:Nov 80:1745:15806
Head-Loss Measurements on Hydroelectric Conduits, T. Maxwell Brett, HY1:Jan 80:173:15109
Multiple Operating Points in Complex Pump Networks, Michael A. Collins, Leon Cooper and Jeff L. Kennington, HY3:Mar 79:229:14452
Optimal Design of Gravity Flow Water Conduits, Roberto Canales-Ruiz, HY9:Sept 80:1489:15714
Optimization in Design of Pumping Systems, Arun K. Deb, EE1:Feb 78:127:13543
Pitfalls in Pipe Network Analysis Techniques, Michael A. Collins, TE5:Sept 80:507:15675
Sediment Suspension in Turbulent Pipe Flow, Sheng T. Hsu, Andre van der Beken, Louis Landweber and John F. Kennedy, HY11:Nov 80:1783:15830
Slurry Flow in Pipe Networks, Don J. Wood, HY1: Jan 80:57:15132
Transporting Solid Particles in Smooth Pipelines, Walter Chin Mih, TE4:July 79:427:14704
Turbulence in Helically Corrugated Pipe Flow, Edward Silberman, EM4:Aug 80:699:15633
Vortex Formation at Vertical Pipe Intakes, Akalank K. Jain, Kittur G. Ranga Raju and Ramachandra J. Garde, HY10:Oct 78:1429:14104

Pipe Joints
Installation of Fiberglass Pipe, B. Jay Schrock, TE6: Nov 78:835:14175
Pipe Joints, Joint Spacing and Joint Movement Considerations in the Design of Pipelines, Duane B. Ford, Preprint No.80-126, Apr 80, 22pp.
A Survey of Investigations of Tubular Joints, Arthur N. Minas and William J. Graff, Preprint No.80-034, Apr 80, 18pp.

Pipe Laying
Installation of Fiberglass Pipe, B. Jay Schrock, TE6: Nov 78:835:14175
Specifying Pipeline Construction, Milton J. Hecker, TE4:July 79:361:14699
Water Conveyance Pipelines in Expansive Soil, Robin C. Rocklin, SLS:June 80:477

Pipelines
Air Chambers for Irrigation Systems, George E. Conant and Dorsey E. Jaspar, TE2:Mar 79:141: 14451
Basic Pipe Stress Evaluation Summary, Gerald F. Mouser, TE4:July 79:349:14691
Gas and Liquid Fuel Pilpeline Seismic Design, William J. Hall and Robert P. Kennedy, C080:80: 150
Influence of Soil-Pipe Interaction on Pipeline Design, Syed Ahmed, Ralph W. McMickle and Carl L. Brassow, Preprint No.80-050, Apr 80, 23pp.
Lifeline Engineering Approach to Seismic Qualification, Thomas L. Anderson and Douglas J. Nyman, TC1:Apr 79:149:14531
Multiobjective Modeling for OCS Pipeline Systems, David Engberg, Jared Cohon and Charles ReVelle, CZ80:Nov 80:684
Optimal Design of Water Conveyance Systems, Quentin W. Martin, HY9:Sept 80:1415:15672
Pipeline Response to Random Ground Motion, Aly Hindy and Milos Novak, EM2:Apr 80:339:15308
Pipeline River Crossings: A Design Method, Donald Steven Graham, TE2:Mar 80:141:15261
Pipelines—Positioning and Survey Problems, Stanley W. Hole, SU1:Nov 79:15:14951
Planning, Analysis, Design and Construction of Two Offshore Trestles Supporting Seven Pipelines and Electrical Cable Trays, Donald E. Arthur and Syed I. Husain, Preprint No.80-568, Oct 80, 14pp.
Portland Cement Concrete Underground Pipelines, Philip H. Perkins, TE5:Sept 79:577:14863
Practical Design of Pipeline Control & Flexibility, James J. Van Houtte, C080:80:121
Problems and Possible Solutions for Pipeline Corridors in Developing Areas, Buckley L. Ogden, Preprint No.80-630, Oct 80, 9pp.
Seismic Design Criteria for Gas and Liquid Fuel Pipelines, William J. Hall and Robert P. Kennedy, Preprint No.80-042, Apr 80, 22pp.
Seismic Design of Oil Pipeline Systems, Robert P. Kennedy, Arthur C. Darrow and Stephen A. Short, TC1:Apr 79:119:14505
Slurry Flow in Pipe Networks, Don J. Wood, HY1: Jan 80:57:15132
Slurry Pipeline Design with Geometric Programming, Steven M. Rasey and Robert R. Faddick, TE6:Nov 80:815:15841
Soil Restraint Against Horizontal Motion of Pipes, Jean M.E. Audibert and Kenneth J. Nyman, GT10: Oct 77:1119:13303
Specifying Pipeline Construction, Milton J. Hecker, TE4:July 79:361:14699
Transient Propagation in Slurries with Hold-Up, A. R.D. Thorley, HY8:Aug 80:1353:15641
Transporting Solid Particles in Smooth Pipelines, Walter Chin Mih, TE4:July 79:427:14704
Upsurge and Speed-Rise Charts Due to Pump Shutdown, Benjamin Donsky, Roxanne M. Byrne and Paul E. Bartlett, HY6:June 79:661:14637
Water Conveyance Pipelines in Expansive Soil, Robin C. Rocklin, SLS:June 80:477
Working Within the Environmental Regulatory Process, Michael L. Barningham and Steven A. Ott, TE3:May 80:309:15423

Pipeline Transportation
Aerospace Technology for Freight Pipelines, Henry Liu and Donald L. Gibson, MGC:July 80:97
Overview of DOE Programs for Energy Efficiency in Transportation, Richard T. Alpaugh and James S. Moore, MGC:July 80:148

Pipes
Behavior of Beams and Flexible Pipes Under Tension, Alain H. Peyrot, Preprint No.80-001, Apr 80, 15pp.
A Design Method for Fiberglass Pipe, Larry J. Petroff, Preprint No.80-558, Oct 80, 14pp.
Installation of Fiberglass Pipe, B. Jay Schrock, TE6: Nov 78:835:14175
Pipe Jacking: State-of-the-Art, Clarence B. Drennon, CO3:Sept 79:217:14801
Soil Restraint Against Horizontal Motion of Pipes, Jean M.E. Audibert and Kenneth J. Nyman, GT10: Oct 77:1119:13303
Varied Flow Functions for Circular Channels, Chandramouli Nalluri and John H. Tomlinson, HY7:July 78:983:13889

Piping (Erosion)
Compaction Effects on Hydraulic Failure Gradients, Lyman S. Willardson and Manuel J. Batista, IRKA: July 80:140
Permeability and Piping in Fractured Rocks, Richard E. Goodman and Panchanatham N. Sundaram, GT5:May 80:485:15433

Piping Systems
Computerized Irrigation Pipe Network Design, Jack Keller and Gary Z. Watters, Preprint No.80-091, Apr 80, 21pp.
Perforated Plates as Hydraulic Energy Dissipators, James Paul Tullis, James J. Powers, III, Paul F. Shiers and Whitney W. Hall, HYCO:Aug 80:62
Practical Design of Pipeline Control & Flexibility, James J. Van Houtte, C080:80:121

Pitch
Static Response of Reduced Rotation Rope, George A. Costello and Robert E. Miller, EM4:Aug 80: 623:15612

Plane Strain Shear Tests
Anisotropic Undrained Stress-Strain Behavior of Clays, Jean-Herve Prevost, GT8:Aug 78:1075: 13942

Planing
Future Prospects in Transportation Finance, Joseph R. Stowers and Carolyn Frank, UT79A:July 79:256

Planning
Airports of Micronesia - Airline Considerations, Clifford T. Argue, MGC:July 80:34
Allocation of Risks — B, Thomas R. Kuesel, CRLS: Jan 79:1-51
Conflict Resolution: Lessons from Grays Harbor, Nan Evans, CZ80:Nov 80:776
Coordinated Advancement for Professionals, Robert L. Kimmons, EI3:July 80:227:15529
Design of Length of Water Resource Simulation Experiments, Guillermo J. Vicens and John C. Schaake,, Jr., WR1:Mar 80:333:15280
Design Today for Tomorrow, Linda L. Gerbode, PO80:May 80:186
Determining Future Needs through Fiscal Analysis, Paul S. Tischler, SU80:June 80:78
Energy Criteria for Water Use, Flora C. Wang, Howard T. Odum and Robert Costanza, WR1:Mar 80:185:15266
Fire Management Planning in Southern California, Gary L. Boyle and Jim Retelas, IRKB:July 80:260
Flow Optimization on a Transportation Network, William J. Dunlay, Jr. and Nicolau D.F. Gualda, TE1:Jan 79:41:14285
Geology of Delaware Barriers: Evironmental Planning, Kathleen Drew and John C. Kraft, CZ80: Nov 80:830
Honolulu Mass Transit — Past, Present, and Future, Robert R. Way, MGC:July 80:396
Influences on Plans for the Santa Ana River Channel Mouth, Fala Powers, CZ80:Nov 80:1173
Integrated Port Design and Planning Process, Martin T. Czerniak, Arthur Rubinstein and J. Ian Collins, PO80:May 80:440
Managing Snowpack Augmentation Research, Olin H. Foehner, IRKA:July 80:85
Marine Ecosystem Management, George W. Robertson, CZ80:Nov 80:72
Marketing Analysis for A/E Firm, Donald A. Dupies, EI1:Jan 80:11:15155
National Growth Trends, Robert B. Seaman, UP1: Nov 80:29:15824
New Tools for Resolving Conflicts in Port Planning, Edward J. Linky and Bruce H. Hoff, CZ80:Nov 80: 881
Offshore Wind Power Potential, Paul J. Ossenbruggen, Gerard P. Pregent and L. David Meeker, EY1:Jan 79:81:14290
Oil Pollution Still a Problem for America's Ports, Roy W. Hann, Jr., PO80:May 80:710
Optimization in Design of Pumping Systems, Arun K. Deb, EE1:Feb 78:127:13543
Productivity, Performance, and Planning, Jarir S. Dajani, UP1:May 78:47:13718
Regulation of Water Resources Planning, Robert Relyea and Yoram Gordon, Preprint No.80-676, Oct 80, 6pp.
Traffic-Assignment Techniques for Smaller Cities, Robert L. Smith, Jr. and Thomas S. Brennan, TE1: Jan 80:85:15123
Transportation in A Socio-Physical Planning Model, Donald Wolbrink and Ellsworth B. Narris, MGC: July 80:237
Two Approaches to Coastal Area Planning in Japan, Harvey A. Shapiro, CZ80:Nov 80:741
Two Centuries of Water Planning Methodology, Ray K. Linsley, WR1:Mar 79:39:14405
Using Fiscal Models to Evaluate Land Plans — The Suburban Montgomery County Maryland Experience, Drew Dedrick, SU80:June 80:88
Water Planning-Overview, Eugene W. Weber, WR1: Mar 79:3:14431
Water Quality Modeling Using Computer Graphics, Peter N. French and Daniel P. Loucks, EE80:July 80:138
Water Resources Planning — Historical Development, Theodore M. Schad, WR1:Mar 79:9: 14410
Water Resources Planning — Its Recent Evolution, Harry E. Schwarz, WR1:Mar 79:27:14409
Water Resources Planning Using Computer Graphics, Peter N. French, Lynn E. Johnson, Daniel P. Loucks and Donald P. Greenberg, WR1:Mar 80:21: 15235

Plant Engineering
Thermographic Applications for Plant and Building Engineers, Henry H. Schmalz, AS80:Aug 80:131

Plants
Energy Conservation in Activated Sludge Systems, Sal D'Angelo, H. David Stensel and J. C. Goldman, EE4:Aug 80:773:15636

Plants (Botany)
Coal Mine Reclamation with Native Plants, Lee E. Eddleman, IRKB:July 80:80
Forage Grass Growth on Overland Flow Systems, Antonio J. Palazzo, C. James Martel and Thomas F. Jenkins, EE80:July 80:347
Land Imprinting for Better Watershed Management, Robert M. Dixon and John R. Simanton, IRKB: July 80:809

Plants (Industrial)
Fault Tree Analysis for Wastewater Treatment, David L. Kelley and Richard C. Allison, EE6:Dec 79:1105:15031

Plastic Analysis
Second-Order Elastic-Plastic Analysis of Steel Frames, Chu-Kia Wang and C. P. Talaboc, Preprint No.80-509, Oct 80, 14pp.

Plastic Deformation
Elastic-Plastic Deflections Due To Pulse Loading, P. S. Symonds, EM81:Jan 81:887

Plastic Design
Autostress Design of Steel Bridges, Geerhard Haaijer, Phillip S. Carskaddan and M. A. Grubb, Preprint No.80-519, Oct 80, 14pp.
Shakedown under Elastic Support Conditions, Irving J. Oppenheim, ST7:July 80:1417:15536
Structural Plasticity Computer System: STRUPL, M. Z. Cohn and A. Franchi, ST4:Apr 79:789:14526

Plastic Filters
Research Analysis of Plastic Filters, Phillip M. Demery, IRKA:July 80:398

Plastic Hinges
Flexural Rotational Capacity of Spandrel Beams, Alfred G. Bishara, Larry Londot, Peter Au and Majety V. Sastry, ST1:Jan 79:147:14325
Nonlinear Analysis of Steel Frames, Richard B. Klein and Fred W. Beaufait, CP80:June 80:172

Plasticity
Constitutive Models for Concrete Structures, Wai F. Chen and Edward C. Ting, EM1:Feb 80:1:15177
A Plastic-Fracture Model for Concrete, S. S. Hsieh, Edward C. Ting and Wai F. Chen, FIC:Oct 80:50
Plastic-Fracturing Theory for Concrete, Zdenek P. Bazant and Sang-Sik Kim, EM3:June 79:407:14653
Plasticity in Soil Mechanics and Landslides, Wai F. Chen, EM3:June 80:443:15460
A Plasticity Model for the Load Unload Behavior of Sand, Rafael Baker, Sam Frydman and J. Galil, Preprint No.80-585, Oct 80, 21pp.
Plasticity Solutions for Concrete Splitting Tests, Wai F. Chen and Tse-Yung P. Chang, EM3:June 78:691:13852
Relationships and Variations of Properties of Clay, Thomas M. Petry and J. Clyde Armstrong, SLS:June 80:172
Strain and Displacement Discontinuities in Soil, Guy T. Houlsby and C. Peter Wroth, EM4:Aug 80:753:15637
Validity of Yieldline Theory for Polyhedral Shells, Robert E. Melchers, EM1:Feb 79:107:14388

Plasticity Index
Compaction Effects on Hydraulic Failure Gradients, Lyman S. Willardson and Manuel J. Batista, IRKA:July 80:140

Plasticizing
Sulfur: Potential Pavement Binder of the Future, Gerald D. Love, TE5:Sept 79:525:14835

Plastic Pipes
Concrete Filled Structural Plastic Columns, Carl E. Kurt, ST1:Jan 78:55:13478
Friction Factors for Corrugated Plastic Drainage Pipe, Ross W. Irwin and Jiri Motycka, IR1:Mar 79:29:14424

Plastic Properties
Eccentrically Braced Steel Frames for Earthquakes, Charles W. Roeder and Egor P. Popov, ST3:Mar 78:391:13619
Self-Consistent Techniques for Heterogeneous Media, Michael P. Cleary, I-Wei Chen and Shaw-Ming Lee, EM5:Oct 80:861:15769
Tunnel Closure for Nonlinear Mohr-Coulomb Functions, Timothy C. Kennedy and Herbert E. Lindberg, EM6:Dec 78:1313:14245
Yield of Circular Weld Joining Elastic Plates, Lawrence E. Goodman and Leon M. Keer, EM1:Feb 80:135:15203

Plastics
Craze-Yielding Structural Plastics: Toughness Measurement, Ray D. Hoffman, TC2:Dec 79:271:15038
Design of Plastics Structural Components: Proposed ASCE Manual, Frank J. Heger, Richard E. Chambers and Albert G.H. Dietz, TC2:Dec 79:429:15025
Mechanics of Stress Concentration and Failure Around Fastening Holes in Structural Plastics, Amad E. Tayebi and David V. Gorky, Preprint No.80-578, Oct 80, 13pp.
Refined Theories for Nonhomogeneous Anisotropic Cylindrical Shells: Part I-Derivation, Daryl E.O. Widera and Darly L. Logan, EM6:Dec 80:1053:15933
Refined Theories for Nonhomogeneous Anisotropic Cylindrical Shells: Part II-Aplication, Daryl L. Logan and G. E.O. Widera, EM6:Dec 80:1075:15934
Research Analysis of Plastic Filters, Phillip M. Demery, IRKA:July 80:398

Plastic Theory
Boundary Elements in Stress Analysis, Carlos A. Brebbia and Roberto Nakaguma, EM1:Feb 79:55:14338

Plastic Tubing
Laboratory Tests of Gravel Envelope Flow Resistance, E. R. Zeigler and Ray J. Winger, IRKA:July 80:166

Plates
Self-Consistent Techniques for Heterogeneous Media, Michael P. Cleary, I-Wei Chen and Shaw-Ming Lee, EM5:Oct 80:861:15769
Tapered Steel Beams Loaded within Tip, Gwynne Davies and Satya Narayan Mandal, ST3:Mar 79:589:14453

Plates (Structural Members)
Anisotropic Skew Plates and Grids, Mahendrakumar R. Vora and Hudson Matlock, EM2:Apr 79:237:14511
Assemblage Method for Folded-Plate Analysis, Fouad H. Victor and Fernand Ellyin, ST7:July 79:1509:14689
Beam-to-Column End Plate Connections, Thomas S. Tarpy, Jr., Preprint No.80-179, Apr 80, 24pp.
Bending of Strip with Semielliptic Notches or Cracks, Norio Hasebe, EM6:Dec 78:1433:14248
Buckling of Antisymmetrically Laminate Cross-Ply and Angle-Ply Rectangular Plates, Sudhakar Sharma, N. G.R. Iyengar and P. N. Murthy, EM1:Feb 80:161:15208
Buckling of Multibay Stiffened Plate Panels, Karim Elsharkawi and Alastair C. Walker, ST8:Aug 80:1695:15594
Column Base Plates with Axial Loads and Moments, John T. DeWolf and Edward F. Sarisley, ST11:Nov 80:2167:15823
Continuous Steel I-Girders: Optimum Proportioning, Abul K. Azad, ST7:July 80:1543:15575
Cross-Ply Elliptic Plates of Bimodulus Material, Sandra K. Kincannon, Charles W. Bert and V. Sudhakar Reddy, ST7:July 80:1437:15537
The Effects of Static Loads on Dynamic Response, Som P. Virk, CP80:June 80:132
First Yield of Edge Beam Stiffened Square Plates, Geoffrey John Turvey, EM1:Feb 79:81:14373
Glass Curtain Wall Elements:Properties and Behavior, Barry J. Goodno, ST6:June 79:1121:14656
Heat Conduction in Plates by Finite Strip Method, Satyananda Chakrabarti, EM2:Apr 80:233:15328
Lack of Fit in End-Plate Connections, Allan P. Mann and Linden J. Morris, Preprint No.80-179, Apr 80, 25pp.
Large Deflection of Circular Plate: Symmetrical Load, B. Banerjee and S. Datta, TN: EM4:Aug 80:831:15589

Limit Design of Extended End-Plate Connections, Allan P. Mann and Linden J. Morris, ST3:Mar 79: 511:14460
Local Buckling of Beams under Stress Gradient, Yei L. Tien and Shien T. Wang, ST8:Aug 79:1571: 14774
Moment Connections Weakened by Laminations, Bruce D. Macdonald, ST8:Aug 79:1605:14776
Perforated Plates as Hydraulic Energy Dissipators, James Paul Tullis, James J. Powers, III, Paul F. Shiers and Whitney W. Hall, HYCO:Aug 80:62
Poisson's Effect on Buckling of Plate Assemblies, Srinivasan Sridharan, ST10:Oct 79:1967:14910
Post-Buckling Finite Element Analysis of Flat Plates, Kuen-Yaw Shye and James Colville, ST2:Feb 79: 297:14382
Precipitator Plate Imperfections and Eccentricities, Dennis A. Nagy and David P. Billington, EY2:Aug 79:181:14747
Quasilinear Integration of Elasto-Plastic Shells, Habid U. Ahmed and John W. Leonard, EM1:Feb 79:91: 14371
Rectangular Plates on Linear Viscoelastic Foundations, Keiichiro Sonoda and Harutoshi Kobayashi, EM2:Apr 80:323:15307
Stability of Flexibly Connected Plate Systems, Milija Pavlovic, Donald S. Mansell and Leonard K. Stevens, ST10:Oct 80:2077:15766
Steady-State Response of Thick Rectangular Plates, K. T. Sundara Raja Iyengar and P. V. Raman, TN: EM4:Aug 80:842:15589
Strength of Connection with Buried Discontinuity, Roger L. Brockenbrough, Ronald W. Frost and Geerhard Haaijer, ST11:Nov 80:2185:15800
Stress Analysis of Bonded Plates and Joints, Umur Yuceoglu and Dean P. Updike, EM1:Feb 80:37: 15189
Tear-Out Failure of Bolt Groups, Cedric Marsh, TN: ST10:Oct 79:2122:14873
Thermal Effects on Load Capacity of Concrete Slabs, Nestor R. Iwankiw, ST7:July 79:1417:14667
Vibrations of Annular Plates of Variable Thickness, Carl T. Dyka and John F. Carney, III, EM3:June 79:361:14638
Yield of Circular Weld Joining Elastic Plates, Lawrence E. Goodman and Leon M. Keer, EM1: Feb 80:135:15203

Plotters

Computer Graphics as a Teaching Aid, J. T. Scardina, V. Nopratvarakorn and George R. Buchanan, CP80:June 80:430
History of Computer Graphics in the U.S. Army Corps of Engineers, Harry F. Hardin and James M. Jones, II, CP80:June 80:10
Plotter Applications in Highway Design, William T. Till, TC1:Apr 79:239:14539

Plotting

Computer Graphics as a Teaching Aid, J. T. Scardina, V. Nopratvarakorn and George R. Buchanan, CP80:June 80:430
Flood Frequency Modeling and Outliers, Krishan P. Singh, HYCO:Aug 80:74
Graphics for Hydraulic Transients Simulation, Peter Shanahan and Brendan M. Harley, CP80:June 80: 27
Surfaces — Terrain Modeling and Contour Plotting, Philip L. Owen and William F. Blank, CP80:June 80:48
A User's Experience with New Zealand ICES Software, David Loukes, CP80:June 80:678

Plumes

Destratification of Lakes Using Bubble Columns, C. Kranenburg, HY4:Apr 79:333:14498
An Environmental Study to Assess The Effect of Drilling Fluids on Water Quality Parameters During High Rate, High Volume Discharge to the Ocean., R. C. Ayers, Jr., T. C. Sauer, Jr., D. O. Stuebner and R. P. Meek, CZ80:Nov 80:1730
Evaluation of Compliance Criteria for River Plumes, Pauly P. Paily, HYCO:Aug 80:142
Forced Plumes in a Stratified Reservoir, Brian Henderson-Sellers, HY4:Apr 78:13658
Line Plume and Ocean Outfall Dispersion, Philip J.W. Roberts, HY4:Apr 79:313:14488
Mathematical Model for Staged Diffuser Discharge, Dominique N. Brocard, Charles H. Beauchamp and Shih-Kuan Hsu, HYCO:Aug 80:154
Short Thermal River Diffusers, Alfred David Parr, J. G. Melville and J. J. Dlubac, HYCO:Aug 80:131
Thermal Discharge Investigation, Yung Y. Shen and Richard S. McGinnis, HYCO:Aug 80:13
Two-Dimensional Bubble Plumes, David L. Wilkinson, HY2:Feb 79:139:14385

Pneumatic Systems

Postaeration of Wastewater, Boris M. Khudenko, EE2:Apr 79:297:14534

Poisson Density Functions

Nonstationary Risk Model with Geophysical Input, Jean B. Savy, Haresh C. Shah and David Boore, ST1:Jan 80:145:15115

Poisson Ratio

Poisson's Effect on Buckling of Plate Assemblies, Srinivasan Sridharan, ST10:Oct 79:1967:14910

Poland

Performance of Power Plant Cooling Lakes in Poland, Mieczyslaw Gadkowski and Bruce A. Tichenor, EY1:Apr 80:1:15326

Poles

Stability of Guyed Towers, Alexander Chajes and Wen-Sen Chen, ST1:Jan 79:163:14327

Poles (Supports)

Buckling of Space Stayed Columns, Ibrahim A. Hathout, Murray C. Temple and John S. Ellis, ST9: Sept 79:1805:14852
Pretensioning of Single-Crossarm Stayed Columns, H. H. Hafez, Murray C. Temple and John S. Ellis, ST2:Feb 79:359:14362

Policies

Coastal Management Planning in Anchorage, Alaska, Anthony Burns, CZ80:Nov 80:1750
Coastal Management Policy Emphasis in an Urban National Recreation Area, Herbert S. Cables and John T. Tanacredi, CZ80:Nov 80:213
Department of Energy Interests in Coastal Siting of Energy Facilities, Emmet W. Turner, CZ80:Nov 80: 402
Determining Future Needs through Fiscal Analysis, Paul S. Tischler, SU80:June 80:78
Engineers in Political Decision-Making Process, H. Lanier Hickman, Jr., EI2:Apr 80:117:15340
Highway Safety Challenges of the 80's, Bennie Maffet, HW80:Mar 80:54
Highway Safety: Pyrrhic Victory, Sally Free, HW80: Mar 80:87
Journal-Paper Review Statistics, William F. Marcuson, III, Chmn., GT4:Apr 80:341:15369
Marine Sanctuaries, A Controversial Concept, John K. Cassell, CZ80:Nov 80:1959
National Transportation Policies Through the Year 2000, John E. Wild, UT79A:July 79:173
Opportunities and Problems in Planning the New Jersey Pinelands and Coastal Zone, John W. Sinton, CZ80:Nov 80:137
Policy Issues of Importance to Offshore Development, William S. Gaither, PO80:May 80:1
Urban Transportation: Outlook and Policy, Milton Pikarsky, UT79A:July 79:35
Waterfront Policy: Responding to Local Needs, Letitia C. Longord and Irene L. Murphy, CZ80: Nov 80:256

Political Aspects

Engineers in Political Decision-Making Process, H. Lanier Hickman, Jr., EI2:Apr 80:117:15340
IRT — New York City's First Subway, Larry D. Lankton, CE:Nov 79:71

Margins for Survival: Overcoming Political Limits in Steering Technology by Edward Wenk, Jr. (Book Review), Dan H. Pletta, CE:Jan 80:33
Political Aspects of Urban Stormwater Management, Levi A. Brown, WR1:Mar 80:265:15268
The State and Local Politics of Seismic Hazard, James D. Wright, C080:193

Political Constraints
The State and Local Politics of Seismic Hazard, James D. Wright, C080:193

Political Factors
Can Engineers Save the Republic?, Victor V. Veysey, EI2:Apr 80:123:15344
Freedom and Environmental Quality, P. Walton Purdom, EI3:July 77:211:13057
Improving the Utilization of Overseas Irrigation Systems, James M. Wolf and Francis E. Borcalli, IRKA:July 80:205
Washington METRO: A People's Eye View, Ann E. Seltz-Petrash, CE:June 79:59

Political Parties
Political Action—Why Are Engineers Getting Involved?, Kneeland A. Godfrey, Jr., CE:Aug 80:66

Pollen
Session IV—Non-Meteorologic Data, William R. Boggess, EFHYF:Mar 79:422

Pollutants
Low Flow and Stormwater Quality in Urban Channels, Philip B. Bedient, Jeff L. Lambert and Paulo Machado, EE2:Apr 80:421:15336
Selection of Air-Quality Models, A. L. Wilson and T. A. Peters, TC1:Apr 79:113:14494
Stormwater Runoff Modeling of a Planned Community, Kevin J. Smolenyak, HYUS:June 80: 378
Use of a Simplified Surface Runoff Model, William G. Smith, HYUS:June 80:173

Pollution
Analysis of Landfills with Historic Airphotos, Thomas L. Erb, Warren R. Philipson, William L. Teng and Ta Liang, AS80:Aug 80:15
Buildup, Strength, and Washoff of Urban Pollutants, Michael L. Terstriep, G. Michael Bender and Dennis J. Benoit, TC1:Aug 80:73:15620
Chemical Transfer into Overland Flow, John J. Ingram and David A. Woolhiser, IRKB:July 80:40
Classification of Hazardous Wastes, Albert J. Klee and Michael U. Flanders, EE1:Feb 80:163:15205
Environmental Effects of Water Reuse Scheme, Emanuel Idelovitch, EE3:June 80:561:15466
Geomorphic Indices of Hydrologic Characteristics, R. B. White and Richard H. Hawkins, IRKB:July 80: 54
Heat Treatment and Vacuum Filtration of Metal-Laden Municipal Sludge, Bert L. Michalczyk and Ronald F. Wukasch, EE80:July 80:25
Installation Restoration—An Army Initiative, Frank A. Jones, Jr., Donald K. Emig and John P. Glennon, EE80:July 80:571
Is There Life Beyond Mitigation?, Robert M. Snyder, CZ80:Nov 80:470
The Love Canal Remedial Action Report, Joseph L. Slack, EE80:July 80:564
Marine Turtles and Problems in Coastal Management, John G. Frazier, CZ80:Nov 80:2395
Methane Migration Around Sanitary Landfills, Charles A. Moore, Iqbal S. Rai and Ayad A. Alzaydi, GT2:Feb 79:131:14372
Organics in Water—An Engineering Challenge, Perry L. McCarty, EE1:Feb 80:1:15180
The Pactex Project: Any Lessons Learned?, Richard M. Donaldson and F. Harlan Flint, Jr., CZ80:Nov 80:365
Pollution Externalities—Who Pays?, Michael W. Christensen, CZ80:Nov 80:320
Presentation of Longitudinal Dispersion Data, Philip C. Chatwin, HY1:Jan 80:71:15150
Race, Income and Attitude Toward Beach Cleanliness, Charles A. Heatwole and Neils C. West, CZ80:Nov 80:1684
Sanitary Landfill Site Selection by Remote Sensing, Byron E. Ruth, Janet D. Degner and Harold K. Brooks, TE6:Nov 80:661:15835
Sources of Pollution from Agricultural Drainage, Reginald E. Merrill, Ronald M. Van De Pol and Walter E. Ryley, IR2:June 79:137:14605
Two-Dimensional Plume in Uniform Ground-Water Flow, John L. Wilson and Paul J. Miller, HY4:Apr 78:503:13665
Waikato River Pollutant Flushing Rates, J. C. Rutherford, M. E.U. Taylor and J. D. Davies, EE6: Dec 80:1131:15939
Water Pollution from Snow Removal Operations, Bruce W. Pierstorff and Paul L. Bishop, EE2:Apr 80:377:15331

Pollution Abatement
Disposal of Hazardous Toxic Munition Waste, Irving Forsten, EE80:July 80:440
Modeling Combined Sewer Storage Alternatives, Gregory L. Shahabian, Anthony J. Graham and George E. Kamedulski, EE80:July 80:480

Pollution Control
Controlling Nonpoint Source Pollution from Commercial Clearcuts, Keith E. Mussallem and James A. Lynch, IRKB:July 80:669
Development of a North Sea Oil Terminal, Iain M. Robertson, CZ80:Nov 80:2066
Finite Element Studies of Collecting Plate Systems, Dennis A. Nagy and David P. Billington, ST6:June 79:1103:14650
Installation Restoration—An Army Initiative, Frank A. Jones, Jr., Donald K. Emig and John P. Glennon, EE80:July 80:571
Landfill Management with Moisture Control, James O. Leckie, John G. Pacey and Constantine Halvadakis, EE2:Apr 79:337:14533
The Love Canal Remedial Action Report, Joseph L. Slack, EE80:July 80:564
Pollution Externalities—Who Pays?, Michael W. Christensen, CZ80:Nov 80:320
Race, Income and Attitude Toward Beach Cleanliness, Charles A. Heatwole and Neils C. West, CZ80:Nov 80:1684
Remote Sensing that Motivated Community Action, Roland H. Brownlee, James P. Scherz and James M. Dennis, AS80:Aug 80:60
Time Series Modeling of Chicago Particulates, William D. O'Neill, EE5:Oct 79:855:14887
Urban Stormwater/Combined Sewage Management and Pollution Abatement Alternatives, Richard P. Traver, Preprint No.80-614, Oct 80, 14pp.

Pollution Control Agencies
The Pactex Project: Any Lessons Learned?, Richard M. Donaldson and F. Harlan Flint, Jr., CZ80:Nov 80:365
Pollution Externalities—Who Pays?, Michael W. Christensen, CZ80:Nov 80:320

Polychloroprene
Modeling of PCB Fate in the Hudson River System, Robert V. Thomann, Paul C. Pacquin and James J. Fitzpatrick, EE80:July 80:130

Polycrystalline
Graded and Perfect Disorder in Random Media Elasticity, Ekkehart Kroner, EM5:Oct 80:889: 15754

Polygons
Eigenvalues for $\Delta\phi+\lambda\phi=0$ in Regular Polygons, Peter Bettess, TN: EM6:Dec 80:1433:15871

Polymer Concretes
Design of Plastics Structural Components: Proposed ASCE Manual, Frank J. Heger, Richard E. Chambers and Albert G.H. Dietz, TC2:Dec 79:429: 15025

Experiments on Axially Loaded Concrete Shells, Wai F. Chen, Harshavardhan C. Mehta and Tse-Yung P. Chang, ST8:Aug 79:1673:14785
Polymer-Impregnated Concrete at Dworshak Dam, Rodney J. Stebbins, CO4:Dec 78:539:14229

Polymers
Chemical Conditioning of Activated Sludge, John T. Novak and Bjorn-Erik Haugan, EE5:Oct 79:993:14892
Factors Influencing Activated Sludge Properties, John T. Novak, Harry Becker and Andrew Zurow, EE5:Oct 77:815:13262
Flow of Dilute Polymers Through Porous Media, Fritz Kaser and Robert J. Keller, EM3:June 80:525:15493
High-Rate Filtration in Polymer-Treated Sand Bed, John J. Byeseda and Nicholas D. Sylvester, EE2:Apr 79:231:14525

Polystyrene
Expanded Polystyrene Spheres as Evaporation Suppressors, Tariq A. Mahmoud and Natiq K. Bashi, IR3:Sept 80:163:15689

Polyvinyl Chloride
Air Pollution Aspects of Land Disposal of Toxic Wastes, Thomas T. Shen and T. James Tofflemire, EE1:Feb 80:211:15213

Ponderosa Pine Trees
Graphical Display of Watershed Management Options, Rhey M. Solomon and Larry J. Schmidt, IRKB:July 80:1026

Ponding
Ponding on Flat Roofs, Paul T. Nicholas, Preprint No.80-129, Apr 80, 13pp.

Ponds
Chemical Flocculation in Coal Mine Sediment Ponds, John S. Tapp, Billy J. Barfield and Edward G. Foree, IRKB:July 80:615
Thermal Structure of Cooling Ponds, Gerhard H. Jirka, HY5:May 80:701:15412
Transient Analysis for Shallow Cooling Ponds, E. Eric Adams and Antonis D. Koussis, EY2:Oct 80:141:15737

Pontoon Bridges
Analysis of Floating Bridges: The Hood Canal Bridge, Rene W. Luft, EM81:Jan 81:1
Dynamic Response Of Floating Bridge To Wave Forces, Charles H. Beauchamp and Dominique N. Brocard, EM81:Jan 81:46
Dynamic Response of the hood Canal Floating Bridge, B. J. Hartz, EM81:Jan 81:16

Pontoons
Floating Piers, Gregory P. Tsinker and Eugene Vernigora, PO80:May 80:230

Population (Statistics)
Gravel Size Analysis from Photographs, John Adams, HY10:Oct 79:1247:14908
National Growth Trends, Robert B. Seaman, UP1:Nov 80:29:15824
Spatial and Demographic Data: A Unified Means for Predicting Urban Service System Performance, Robert M. Clark and Richard M. Males, SU80:June 80:142

Population Growth
Future Prospects Re Travel Requirements and Financing, Robert A. Keith, UT79A:July 79:285
Hong Kong Comprehensive Transport Study (Abstract), Robert A. Hubbard, MGC:July 80:331
Sanitary Landfill Site Selection by Remote Sensing, Jerry R. Rogers, William J. Graff, Larry J. Stone, C. H. Tsen and S. S. Yang, ASDC:80:92

Pore Air Pressure
Moisture and Air Flow in an Unsaturated Soil, V. Dakshanamurthy and D. G. Fredlund, SLS:June 80:514

Pore Pressure
Effects of Pore Fluid on the Swelling of Clay-Shale, N. R. Morgenstern and B. I. Balasubramonian, SLS:June 80:190
Initial Excess Pore Pressure in Soils, Panchanatham N. Sundaram, TN: GT4:Apr 80:465:15304
Large Rubble-Mound Breakwater Failures, Eugene H. Harlow, TN: WW2:May 80:275:15385
Limitations of the Axis Translation Technique, K. A. Bocking and D. G. Fredlund, SLS:June 80:117
Study in Physical Theory of Expansiveness in Clays, Ewa T. Stepkowska, SLS:June 80:136
Viscoplasticity of Normally Consolidated Clays, Atilla M. Ansal, Zdenek P. Bazant and Raymond J. Krizek, GT4:Apr 79:519:14546
Wave-Induced Pore Pressure Models — A Critical Review, James P. Healey and Pedro A. De Alba, Preprint No.80-562, Oct 80, 14pp.
Wave-Induced Pore Pressures in a Submerged Sand Layer, Yuet Tsui and Steven C. Helfrich, Preprint No.80-570, Oct 80, 17pp.

Pore Pressure Coefficients
A Study of Downdrag on a Cast-in-Place Concrete Pile, Antal Partos, GTDF:80:311

Pore Pressure Measurement
Pore-Pressure Dissipation During Offshore Cyclic Loading, Geoffrey R. Martin, Ignatius Lam and Chan-Feng Tsai, GT9:Sept 80:981:15706

Pore Size Distribution
Pore Distribution and Permeability of Silty Clays, Ignacio Garcia-Bengochea, Charles William Lovell and Adolph G. Altschaeffl, GT7:July 79:839:14686

Pore Water Pressure
Behavior of Rigid Piers in Layered Cohesive Soils, Nabil F. Ismael and Tony W. Klym, GT8:Aug 78:1061:13969
Cone Penetration in Soil Profiling, Mohsen M. Baligh, Vitoon Vivatrat and Charles C. Ladd, GT4:Apr 80:447:15377
Cyclic Stress-Strain History and Shear Characteristics of Clay, Tamotsu Matsui, Hideo Ohara and Tomio Ito, GT10:Oct 80:1101:15776
Effect of Soil Set Up on Pile Driveability in Chalk, Vasant N. Vijayvergiya, Aylmer P. Cheng and Henricus J. Kolk, GT10:Oct 77:1069:13293
Embankments Through Cross River Swamp, Roger Foott, Dan Devecseri, C. N. Aneke, J. O. Jackson and Charles C. Ladd, GT3:Mar 80:219:15288
Membrane Penetration and Its Effect on Pore Pressures, Manfred Kiekbusch and Bernd Schuppener, GT11:Nov 77:1267:13331
Moisture and Air Flow in an Unsaturated Soil, V. Dakshanamurthy and D. G. Fredlund, SLS:June 80:514
A Plasticity Model for the Load Unload Behavior of Sand, Rafael Baker, Sam Frydman and J. Galil, Preprint No.80-585, Oct 80, 21pp.
Pore-Pressure Dissipation During Excavation, Ayed E. Osaimi and G. Wayne Clough, GT4:Apr 79:481:14509
Pore-Pressure Dissipation During Offshore Cyclic Loading, Geoffrey R. Martin, Ignatius Lam and Chan-Feng Tsai, GT9:Sept 80:981:15706
The Prediction of Total Heave, D. G. Fredlund, J. U. Hasan and H. L. Filson, SLS:June 80:1
Prediction of Undrained Behavior of Sand, Poul V. Lade, GT6:June 78:721:13834
Shear Strength and Swelling of Clays Under Suction, Amos Komornik, Moshe Livneh and S. Smucha, SLS:June 80:206
Transient Seepage Analysis of Guri Dam, Chi-Yuan Wei and William Y.J. Shieh, TC1:Apr 79:135:14503
Water Retention Measurement for Soils, Charles Su and Royal H. Brooks, IR2:June 80:105:15483

Porosity
Damping of Gravity Waves Over Porous Bed, Kewal K. Puri, HY2:Feb 80:303:15214
Mass Transport in Regional Groundwater Basins, Thomas G. Naymik and Lewis D. Thorson, HYCO: Aug 80:407
Preparation of Friable Aguiferous Specimens, Paul Francis Worthington, TN: HY2:Feb 80:333:15165
Static Deformation of Rock, Joseph B. Walsh, EM5: Oct 80:1005:15761
Variable Drainable Porosity in Drainage Design, Ashim K. Bhattacharya and Robert S. Broughton, IR1:Mar 79:71:14433

Porous Materials
Compaction of Dry or Fluid-Filled Porous Materials, Michael M. Carroll, EM5:Oct 80:969:15773
Prediction of Non-Darcy Flow in Porous Media, Jan de Vries, IR2:June 79:147:14610
Use of Porous Dike to Reduce Entrainment and Entrapment in Power Plant Cooling Water Systems, Barry A. Ketschke, CZ80:Nov 80:649

Porous Media
Analytical-Numerical Computation of Infiltration, Antonis D. Koussis and Siu-Lun Chow, IR2:June 80:123:15494
Finite and Infinitesimal Strain Consolidation, Robert L. Schiffman, TN: GT2:Feb 80:203:15158
Finite Element Schemes for Porous Elastic Media, Gerhard Krause, EM3:June 78:605:13851
Flow of Dilute Polymers Through Porous Media, Fritz Kaser and Robert J. Keller, EM3:June 80:525: 15493
Response to Dynamic Surface Pressure Distributions, A. M. Wijesinghe and Herbert B. Kingsbury, GT1: Jan 80:1:15114

Porous Media Flow
Boundary Solutions to Two Problems in Porous Media, Philip La-Fan Liu and James A. Liggett, HY3:Mar 79:171:14419
Flow Coefficients and Computer Models Reliability, A'Alim A. Hannoura, HYCO:Aug 80:366
Laboratory Tests of Gravel Envelope Flow Resistance, E. R. Zeigler and Ray J. Winger, IRKA:July 80:166
Response to Dynamic Surface Pressure Distributions, A. M. Wijesinghe and Herbert B. Kingsbury, GT1: Jan 80:1:15114
Transient Seepage Analysis of Guri Dam, Chi-Yuan Wei and William Y.J. Shieh, TC1:Apr 79:135:14503
Virtual Mass of Coarse Granular Media, Alim A. Hannoura and John A. McCorquodale, WW2:May 78:191:13734

Portland Cements
Portland Cement Concrete Underground Pipelines, Philip H. Perkins, TE5:Sept 79:577:14863

Ports
Bintulu Malaysia LNG Project, Clemence L. Cameron and Samuel P. Lin, PO80:May 80:455
The CEIP: An Ohio Perspective, Michael L. Adams, CZ80:Nov 80:612
Coastal Development at Nile Mediterranean Outlets, Ismail Mobarek and Joel M. Goodman, CZ80:Nov 80:724
Coastal Siting of Hazardous Waterfront Facilities, Paul C. Golden, CZ80:Nov 80:562
Data Base Development at Maryland DOT, Dennis R. Atkins, CP80:June 80:363
Design Today for Tomorrow, Linda L. Gerbode, PO80:May 80:186
An Environmentally Acceptable Coal Port, Paul Soros and Mohammed Osman, PO80:May 80:11
Estuarine Circulation from Dye-Buoy Photogrammetry, John C. Munday, Jr., Christopher S. Welch and Hayden H. Gordon, PO80:May 80: 417
Evaluation of Deepwater Oil Terminals: A Case Study, C. Michael Walton, MGC:July 80:85
Floating Piers, Gregory P. Tsinker and Eugene Vernigora, PO80:May 80:230
Integrated Port Design and Planning Process, Martin T. Czerniak, Arthur Rubinstein and J. Ian Collins, PO80:May 80:440
LNG/LPG Terminal Safety, John J. Closner, Henry J. Kuss, Jerry L. Lott and J. D. Porricelli, PO80: May 80:469
LOOP: Delivering Oil Where It's Needed, William B. Read, PO80:May 80:163
Maritime Risk and Coastal Zone Management, Justus R. Riek, CZ80:Nov 80:575
New Tools for Resolving Conflicts in Port Planning, Edward J. Linky and Bruce H. Hoff, CZ80:Nov 80: 881
Offshore Artificial Islands — Energy Ports of the Future?, Eugene Chesson, PO80:May 80:61
Oil Pollution Still a Problem for America's Ports, Roy W. Hann, Jr., PO80:May 80:710
Port Capacity Methodology — Simplified, John F. Warwar, PO80:May 80:203
Port Energy Conservation, Carlton H. Joseph, PO80: May 80:89
Port Permitting Problems, Marcia Kenney, CZ80:Nov 80:791
Port Planning and Economic Development, Daniel P. O'Halloran, PO80:May 80:47
Port Reception Facilities and the Coastal Zone, Henry S. Marcus, CZ80:Nov 80:1594
Reinforced Earth Structures for Port Development, David P. McKittrick, PO80:May 80:786
The Role of Deepwater Ports: The Texas Experience, C. Michael Walton, PO80:May 80:73
The Role of the Corps in Port Development, Douglas L. Haller, PO80:May 80:726
Sensitivity Ranking of Energy Port Shorelines, Miles O. Hayes, Erich R. Gundlach and Charles D. Getter, PO80:May 80:697
Simulation for Port Design and Operations, M. Kaplan and R. C. Wentworth, PO80:May 80:269
Systematic Evaluation of Navigation in Harbors, Ronald K. Gress and John D. French, PO80:May 80:568
Tugs as Aids to the Safety of Tankers and Ports, James A. Atkinson, PO80:May 80:584
Virginia Ports Workshop, Carvel H. Blair, PO80:May 80:248
Visual Impacts of Port Development in Seattle, Iain M. Robertson and William G.E. Blair, CZ80:Nov 80:917

Portugal
Don't Always Put Dam in Narrowest Part of Valley, Fernando Abecasis, CE:June 80:93
Large Rubble-Mound Breakwater Failures, Eugene H. Harlow, TN: WW2:May 80:275:15385

Positioning
Pipelines—Positioning and Survey Problems, Stanley W. Hole, SU1:Nov 79:15:14951

Post Tensioning
Post-Tensioning System Surveillance Program, George E. Drew, ST2:Feb 79:347:14383

Potable Water
Carbon Treatment of Drinking Water: N.J. Plant Trying to Get Out Bugs, Eugene E. Dallaire, CE: Jan 80:64
Control of Trihalomethanes Using Powdered Carbon, Mark C. Anderson, R. C. Butler, B. H. Kornegay and W. D. Pfoutz, EE80:July 80:378
Fluoride, Nitrate, Arsenic, and Selenium Removal From Small Community Water Supplies, Dennis Clifford, Maheyar Bilimoria, Gurinder Singh and Tom Sorg, EE80:July 80:514
How to Remove Trihalomethanes from Drinking Water, Robert C. Siemak, R. Rhodes Trussell, Albert R. Trussell and Mark D. Umphres, CE:Feb 79:49
Management of Galbraith Gap Municipal Watershed, David R. DeWalle, IRKB:July 80:1012
Monitoring on Wilderness Water Quality, Gordon Snyder, IRKB:July 80:504

Potential for Water Reuse—A Computer Model, Ed Smith, Steve Shelton, Manette Messenger and Barry Peterman, EE80:July 80:634
UN Water Conference: Scope for Transfer of Knowledge in Its Action Plan, Habte Mariam Neghassi, WR1:Mar 80:351:15249
Water Quality, Energy, Legislation: Challenge of the 80's, Carmen F. Guarino, EE80:July 80:1
Water Resources Planning and Public Health: 1776-1976, Leonard B. Dworsky and Bernard B. Berger, WR1:Mar 79:133:14445
Water Supply Regionalization: A Critical Evaluation, Robert M. Clark, WR2:Sept 79:279:14842

Potamology
Potamology in 1932: Lower Mississippi River, Leo M. Odom, WW4:Nov 79:405:14993

Potassium
Feasibility of Wastewater Treatment with Ferrate, Thomas D. Waite, EE6:Dec 79:1023:15030

Potential Flow
Integral Equation Method for linear Water Waves, James R. Salmon, Philip La-Fan Liu and James A. Liggett, HY12:Dec 80:1995:15932
Singularities in Darcy Flow Through Porous Media, Olurinde E. Lafe, J. Sergio Montes, Alexander H-D. Cheng, James A. Liggett and Philip La-Fan Liu, HY6:June 80:977:15467
Wave Forces on Cylinders near Plane Boundaries, James C. Wright and Tokuo Yamamoto, WW1:Feb 79:1:14358

Potential Theory
Wave Forces on Multiple Vertical Cylinders, Subrata K. Chakrabarti, WW2:May 78:147:13727

Power
Fragility of Electrical Power Equipment, Anshel J. Schiff and Donald E. Newsom, TC2:Dec 79:451:15091
Improved Hydrologic Forecasting—Why and How, William P. Henry, Chmn., EFHYF:Mar 79
Metrication at the Water and Power Resources Service, Edward R. Lewandowski, Preprint No.80-086, Apr 80, 11pp.
Optimal Capacity of Municipal Water Supply Pumps, Trevor C. Hughes, WR2:Sept 79:317:14846
Session V—Power Forecasting, Catalino B. Cecilio, EFHYF:Mar 79:424
Velocity Profiles and Minimum Stream Power, Charles C.S. Song and Chih Ted Yang, HY8:Aug 79:981:14780

Power Loss
Design Charts for Air Chamber on Pump Pipe Lines, Alan T.K. Fok, HY9:Sept 78:1289:14024

Power Output
Alyeska — Crude Loading Port, Ernest W. Brumitt and David G. Dixon, PO80:May 80:218
U.S. Energy Production—We Must Remove These Roadblocks, CE:Dec 79:66

Power Plant Location
Alternative Evaluation of Power Plant Sites, Asok K. Motayed, EY2:Oct 80:229:15752
Energy Impact Analysis in Water Project Planning, Robert M. Hagan and Edwin B. Roberts, WR1:Mar 80:289:15271
Long-Range Regional Power Plant Siting Model, Peter M. Meier, EY1:Jan 79:117:14322
Multiobjective Power Plant Siting Methods, Benjamin F. Hobbs, EY2:Oct 80:187:15745

Powerplants
Accuracy of Harbeck Diagram for Forced Evaporation, George H. Ward, Jr., EY1:Apr 80:23:15309
Alternative Evaluation of Power Plant Sites, Asok K. Motayed, EY2:Oct 80:229:15752
Big Cajun No. 2 Docks: Planning and Design, Duli C. Sharma, PO80:May 80:100
Concrete Plasticity Theory for Biaxial Stress Analysis, David W. Murray, Larp Chitnuyanondh, Khazal Y. Rijub-Agha and Chung Wong, EM6:Dec 79:989:15046
Cooling Potential of Missouri River in Missouri, Arthur R. Giaquinta, HY11:Nov 80:1813:15834
Environmental Considerations for Fly Ash Disposal, Thomas L. Theis and Jerry J. Marley, EY1:Jan 79:47:14286
Hybrid Cooling System Thermodynamics and Economics, Arthur R. Giaquinta, Thomas E. Croley, II and Tai-Dan Hsu, EY1:Apr 80:89:15319
Hydro Expansion Studies at Holtwood and Safe harbor, Purshotam L. Chai and William N. Strobel, EY2:Aug 79:265:14771
Lateral Loads on Power Boilers, Hugh W. Hempel, EY2:Aug 79:241:14751
Long-Range Regional Power Plant Siting Model, Peter M. Meier, EY1:Jan 79:117:14322
Low Cost Seismic Strengthening of a Power System, Otto W. Steinhardt, Preprint No.80-076, Apr 80, 15pp.
Managing Nuclear Construction-An Experience Survey, Clyde B. Tatum, CO4:Dec 78:487:14233
Optimizing Cooling Policy for System Power Plant, Leighton Lum and Larry W. Mays, EY1:Jan 79:137:14334
Performance of Power Plant Cooling Lakes in Poland, Mieczyslaw Gadkowski and Bruce A. Tichenor, EY1:Apr 80:1:15326
Planning of Utilities for Power Plant Construction, William F. Brittle, Preprint No.80-178, Apr 80, 12pp.
Power Plant Siting: Economic Screening Techniques, Donald L. Matchett and Robert P. Kitchell, EY2:Aug 79:277:14770
Pumped Storage Optimization in Generation Systems, James S. Windsor, WR1:May 77:99:12946
Quality Control During Construction of Power Plants, Robert F. Hartstern, Preprint No.80-617, Oct 80, 9pp.
Reuse of Power Plant Effluent for Crop Production, W. A. Jury, Jr., H. J. Vaux and L. H. Stolzy, IRKA:July 80:188
Seismic Analysis of Fossil-Fuel Boiler Structures, T. Y. Yang and M. I. Baig, ST12:Dec 79:2511:15063
Structural Design Criteria for Power Plants, Tariq Rafay, Preprint No.80-044, Apr 80, 21pp.
System for Material Movement to Work Areas, Roland M. Parsons and John D. Pachuta, CO1:Mar 80:55:15267
Unstiffened Pipe Riser Clamps, Umesh Chandra, Pen J. Fang and Everett E. McEwen, EY2:Oct 80:113:15730
Use of Porous Dike to Reduce Entrainment and Entrapment in Power Plant Cooling Water Systems, Barry A. Ketschke, CZ80:Nov 80:649

Power Spectral Density
Frequency Content in Earthquake Simulation, Loren D. Lutes and Kiat Lilhanand, EM1:Feb 79:143:14391

Power Spectrum Analysis
Nonstationary Risk Model with Geophysical Input, Jean B. Savy, Haresh C. Shah and David Boore, ST1:Jan 80:145:15115

Power Supplies
Energy Research Needs and the Civil Engineer, CE:Oct 79:58
Improved Power System Seismic Resistance, Anshel J. Schiff, TC2:Dec 79:337:15079
Limits to Geological Fuels and Energy Options, Eric S. Cheney, Preprint No.80-099, Apr 80, 21pp.
U.S. Energy Production—We Must Remove These Roadblocks, CE:Dec 79:66

Power Transmission Lines
Power Line Stresses Environmental Concern, Nelson W. Plummer, CE:Jan 80:86

Prager Model
Arch Optimization Using Prager-Shield Criteria, George I.N. Rozvany, Wang Chien Ming and Murray Dow, EM6:Dec 80:1279:15914

Precipitation
Converging Flow Model Applied to Urban Catchment, Franklin W. Ellis, Fred V. Ramsey and George M. Hornberger, HY9:Sept 80:1457:15711
Optimal Sequence of Incremental Precipitation, Anand Prakash, TN: HY12:Dec 78:1668:14199

Precipitation (Atmospheric)
Contamination in the Hydrologic Data Base, Robert J.C. Burnash and R. Larry Ferral, EFHYF:Mar 79: 303
Design Hyetographs for Small Drainage Structures, Ben Chie Yen and Ven Te Chow, HY6:June 80: 1055:15452
Modelling Climatic Effects on Clay Beneath Slabs, Judith B. Corley, SLS:June 80:533
Precipitation Forecasting at a National Center, David A. Olson, EFHYF:Mar 79:199
Session III—Meteorology and Hydrology, Roger A. Amisial, EFHYF:Mar 79:419
Water Supply Forecasting in California - 1976-78, Charles H. Howard, EFHYF:Mar 79:285

Precipitation (Chemistry)
Comparative Metals Precipitation Techniques, Lynn P. Croy and William R. Knocke, EE80:July 80:534

Precipitators
Finite Element Studies of Collecting Plate Systems, Dennis A. Nagy and David P. Billington, ST6:June 79:1103:14650
Precipitator Plate Imperfections and Eccentricities, Dennis A. Nagy and David P. Billington, EY2:Aug 79:181:14747

Predictions
Areawide Soil Loss Predictions Using CIR Airphotos, Ken M. Morgan and Randolph Nalepa, AS80:Aug 80:24
The Benefits of Uncertainty: Probability in Short and Long Term Hydrologic Forecasting, Rafael L. Bras, EFHYF:Mar 79:141
Characterization of Expansive Soils Using Soil Suction Data, Donald R. Snethen, SLS:June 80:54
Concrete Strength Prediction by the Maturity Method, Tarun R. Naik, EM3:June 80:465:15453
Dynamic Estimation of Settling Basin Performance, Sadataka Shiba, Yoriteru Inoue and Yasuyo Ueda, EE6:Dec 79:1113:15045
Evaluating Silvicultural Impacts on Water Resources, Gordon Snyder, IRKB:July 80:682
Flood Hydrograph and Peak Flow Frequency Analysis, Arlen D. Feldman, EFHYF:Mar 79:1
Future Prospects in Transportation Finance, Joseph R. Stowers and Carolyn Frank, UT79A:July 79:256
Grade-Crossing Accident Prediction, Lawrence W. Margler and Michael B. Rogozen, TE3:May 80: 257:15408
Natural Fluctuations of Water Quality in a Headwater Stream, Joe F. Nix, EFHYF:Mar 79:391
Prediction of Non-Darcy Flow in Porous Media, Jan de Vries, IR2:June 79:147:14610
Prediction of Septic-System Failures, Gary B. Saxton and Joseph M. Zeneski, EE3:June 79:503:14609
Prediction of Undrained Behavior of Sand, Poul V. Lade, GT6:June 78:721:13834
Problems in Operational Hydrologic Forecasting, Jack F. Hannaford and Roderick L. Hall, EFHYF: Mar 79:47
Procedure for Predicting Wind Damage to Buildings, Kishor C. Mehta, James R. McDonald and Douglas A. Smith, Preprint No.80-644, Oct 80, 10pp.
Reliability of Seismic Resistance Predictions, Rudolf F. Drenick and Chung-Bang Yun, ST10:Oct 79: 1879:14876
Satelite Imagery and Shoreline Erosion Prediction, Charles W. Welby, AS80:Aug 80:78
Seasonal Heave of Australian Clay Soils, John E. Holland and Charles E. Lawrance, SLS:June 80:302
Session VII—Flooding and Flood Plain Management, David R. Dawdy, EFHYF:Mar 79:428
Significance of Particle Size Distribution Similarity in Prediction of Swell Properties, R. Rama Rao and P. Smart, SLS:June 80:96
Snowmelt Sediment from Sierra Nevada Headwaters, Clarence M. Skau, John C. Brown and John A. Nadolski, IRKB:July 80:418
Special Address—Conference Overview, Leonard Krazynski, SLS:June 80:671
A Statistical Prediction of Effective Ice Crushing Stresses on Wide Structures, P. R. Kry, Preprint No.80-084, Apr 80, 20pp.
Stream Temperature Estimation Using Kalman Filter, Chao-Lin Chiu and Emmanuel Oko Isu, HY9:Sept 78:1257:13991
Summary of Panel Discussion on Testing and Prediction Methods, Leonard Krazynski, V. Escario, D. G. Fredlund, R. L. Lytton, John Holland, R. G. McKeen, Peter Mitchell and A. A.B. Williams, SLS:June 80:683
Transient Analysis for Shallow Cooling Ponds, E. Eric Adams and Antonis D. Koussis, EY2:Oct 80: 141:15737
Turbulence Prediction in Open Channel Flow, Ruh-Ming Li, James D. Schall and Daryl B. Simons, HY4:Apr 80:575:15347
Universal Soil Loss Equation and Rangelands, W. H. Blackburn, IRKB:July 80:588
Water Level Variations along California Coast, Raymond A. Smith and Robert J. Leffler, WW3: Aug 80:335:15614

Prefabrication
The Fly-Over: It Unclogs Urban Traffic in A Hurry, William W. Pleasants, CE:May 80:71
Pile Field Support Prefabricated Plants Floated into Place, Elmer Isaak and Sidney Johnson, CE:Jan 80: 61
Venezuelan Dock Features Unconventional Design, Quick Set-Up, CE:July 80:63

Preferences (Water Rights)
Comparison of Tangibles and Intangibles, Ian G. Wallis, EE4:Aug 78:625:13959

Preliminary Investigations
Computer-Aided Preliminary Design, William H. Mooseker and Gerard Dixon, TC1:Apr 79:75:14483

Preloading
Bottom Supported Terminal — Dravo Preload Concept, D. S. Hill, PO80:May 80:316
Dynamic Stability of Statically Pre-Loaded Systems, G. J. Simitses and Lazopoulos, EM81:Jan 81:477

Preservation
Preservation of Historic Sites During Construction, Ward F. Weakly, CO3:Sept 80:351:15690

Pressure
Geo-Science Related Aspects of Geopressure Energy, Prem S. Chopra and Surendra K. Saxena, EY2:Aug 79:213:14745
Pressure Fluctuations beneath Submerged Jump, Rangaswami Narayanan, HY9:Sept 78:1331:14039
Pressures on Curtain Wall with External Mullions, Bernard M. Leadon and Michael L. Kownacki, EM4:Aug 79:515:14732
Self-Boring Pressuremeter Study of San Francisco Bay Mud, G. Wayne Clough and Gordon M. Denby, GT1:Jan 80:45:15148
Transient Propagation in Slurries with Hold-Up, A. R.D. Thorley, HY8:Aug 80:1353:15641

Pressure Distribution
Drip Irrigation Design Equations, Victor A. Gillespie, Allan L. Phillips and I-Pai Wu, IR3:Sept 79:247: 14819
Response to Dynamic Surface Pressure Distributions, A. M. Wijesinghe and Herbert B. Kingsbury, GT1: Jan 80:1:15114

Pressure Gages
Arch Culvert Research—Phase 3, Raymond E. Davis, Henry D. Nix and Alfred E. Bacher, ST4:Apr 79: 739:14492
Foundation Response to Soil Transmitted Loads, Satya Narayan Varadhi and Surendra K. Saxena, GT10:Oct 80:1121:15763

Pressure Measurement
Research Analysis of Plastic Filters, Phillip M. Demery, IRKA:July 80:398

Pressure Measuring Instruments
Undrained Shear Tests on Clays, Jean-Herve Prevost, GT1:Jan 79:49:14311

Pressure Pipes
Water Conveyance Pipelines in Expansive Soil, Robin C. Rocklin, SLS:June 80:477

Pressure Reduction
Flow Regime in Helical Long-Path Emitters, S. Tal and Benjamin Zur, IR1:Mar 80:27:15291

Pressure Responses
End Effects of Pressure-Resistant Concrete Shells, Wai F. Chen, Hiroyuki Suzuki and Tse-Yung P. Chang, ST4:Apr 80:751:15316

Pressure Vessels
End Effects of Pressure-Resistant Concrete Shells, Wai F. Chen, Hiroyuki Suzuki and Tse-Yung P. Chang, ST4:Apr 80:751:15316

Prestressed Concrete Piles
Case History: Concrete-Filled Steel Pipe Piles, David E. Thompson and John W. Critchfield, GTDF:80:444
Effects of Piles Driving Systems on Driveability and Capacity of Concrete Piles, Christopher David Thompson and David Elliot Thompson, GTDF:80: 420
Indicator Pile and Load Test Program, Oliver H. Gilbert, Jr., Mahmut Otus and Joseph Corollo, GTDF:80:122
Predrilling: Minimizes the Undesirable Effects of Pile Installation?, Richard P. Ray, Edward J. Ulrich, Jr. and James Malinak, GTDF:80:459

Prestressing
Analysis of Curved, Prestressed, Segmental Bridges, Stefanus F. van Zyl and Alexander C. Scordelis, ST11:Nov 79:2399:14986
Box Girder Bridge Diaphragms with Openings, Michel A. Sargious, Walter H. Dilger and Hugh Hawk, ST1:Jan 79:53:14314
Buckling of Space Stayed Columns, Ibrahim A. Hathout, Murray C. Temple and John S. Ellis, ST9: Sept 79:1805:14852
A Comparison of Circular Prestressing Techniques, Including Values for Friction Over Rollers, Arthur M. James, Preprint No.80-078, Apr 80, 11pp.
Concrete Beams with Prestressed Elements, Manak B. Mawal, ST3:Mar 79:617:14463
Cut Slope Stabilization Using Rock Bolts, Bruce M. Camlin, Gerald L. Branthoover and James W. Richards, TE1:Jan 79:31:14292
Nonlinear Analysis of Prestressed Concrete Frames, Young-Jin Kang and Alexander C. Scordelis, ST2: Feb 80:445:15191
Notched Trusses Give Low-Cost Conversion of Hangars for Jumbo Jets, Edward H. Strand and Stephen H. Barnes, CE:June 80:88
Prestressed Concrete Design by Linear Programming, David Morris, ST3:Mar 78:439:13612
Prestress of Truss and Frame Structures, Jan Holnicki-Szulc, ST3:Mar 79:601:14462
Rock Anchor System for Securing Failing Wall, Peter J. Nicholson, TE2:Mar 79:199:14434
Seismic Response of Partially Prestressed Concrete, Kevin J. Thompson and Robert Park, ST8:Aug 80: 1755:15598
Study of Cable-Net Natural Draft Cooling Towers, Charles Birnstiel, Nicholas F. Morris and John J. Jonatowski, Preprint No.80-080, Apr 80, 22pp.
Wave Propagation in Prestressed Curved Rods, Mehdi Farshad, EM2:Apr 80:395:15373

Prices
Engineering Software Selection Criteria, Peter F. Zoll, CP80:June 80:67
Problems and Options in Financing Urban Transportation, Paul K. Dygert and James M. Holec, UT79A:July 79:220

Pricing
Bayesian Analysis of Energy Prices on Irrigation, Richard J. McAniff, Marshall Flug and James Wade, WR2:July 80:401:15548
Efficiency Through Pricing in Urban Transportation, William S. Vickrey, UT79A:July 79:120
Future Prospects in Transportation Finance, Joseph R. Stowers and Carolyn Frank, UT79A:July 79:256
Pricing and Revenue Yield, William H. Crowell, UT79A:July 79:144
Public and Private Regulation of LNG Transport, Jonathan David Aronson and William Westermeyer, CZ80:Nov 80:589
Sources of Computers for Small Engineering Firms, Morton B. Lipetz, CP80:June 80:592
Urban Transport Issues: A World Bank Approach, Gabriel Roth, MGC:July 80:184

Priorities
Liability Implications for Low Volume Rural Highways, Melvin B. Larsen, TE6:Nov 80:803: 15844
Preferential Treatment—What Lies Ahead, Morris J. Rothenberg, TE4:July 79:383:14705

Prisms
Steady Flow Past Prism in Rectangular Conduit, Clyde C.K. Kwok and Pai Mow Lee, HY7:July 79: 845:14697

Probability
The Benefits of Uncertainty: Probability in Short and Long Term Hydrologic Forecasting, Rafael L. Bras, EFHYF:Mar 79:141
Consideration of Seismic Hazards in Lifeline Design, A. H-S. Ang, C080:80:215
Entropy Constructed Probabilities, Colin B. Brown, EM4:Aug 80:633:15635
Fendering Requirements/Design Fender Impact Criteria, J. S. Balfour, J. C. Feben and D. L. Martin, PO80:May 80:504
Frequency Analysis of Snow Course Data, Charles E. Brockway and H. F. Mayland, IRKB:July 80:368
Hydrologic Uncertainty and Project Benefits, Billy E. Martin and R. W. Julian, EFHYF:Mar 79:84
A Note on Joint Probability of Surge and Rainfall, Fei Fan Yeh, HYUS:June 80:1
PDF of Wind Pressures on Low-Rise Buildings, Theodore Stathopoulos, ST5:May 80:973:15409
A Probabilistic Paradox, D. I. Blockley, TN: EM6: Dec 80:1430:15871
Risk Analysis for Hydraulic Design, Yeou-Koung Tung and Larry W. Mays, HY5:May 80:893:15419
Simulation of Water System Seismic Risk, Irving J. Oppenheim, TC2:Dec 79:327:15067
Stochastic Nature of Building Live Loads, Ross B. Corotis and Victor Jaria, ST3:Mar 79:493:14441
Sum of Independent Gamma Live Loads Model, Victor Jaria and Ross B. Corotis, TN: ST8:Aug 79: 1701:14730

Probability Density Functions
Analysis of Combined Rainfall-Hurricane Surge Frequencies, M. Aziz Tayfun and Jerry L. Machemehl, HYUS:June 80:15
Estimation of BOD and DO Probability Distribution, William J. Padgett and A. N.V. Rao, EE3:June 79: 525:14620
Joint Occurrences in Coastal Flooding, M. Aziz Tayfun, WW2:May 79:107:14560

PDF of Wind Pressures on Low-Rise Buildings, Theodore Stathopoulos, ST5:May 80:973:15409

Probability Distribution Functions
Analysis and Design of Equalization Facilities, Gilles G. Patry, EE80:July 80:183
Estimation of BOD and DO Probability Distribution, William J. Padgett and A. N.V. Rao, EE3:June 79: 525:14620
Extreme Wind Speeds at 129 Airport Stations, Emil Simiu, Michael Changery and James J. Filliben, ST4:Apr 80:809:15334
A Fuzzy Safety Measure, Colin B. Brown, EM5:Oct 79:855:14915
Joint Occurrences in Coastal Flooding, M. Aziz Tayfun, WW2:May 79:107:14560
Log Pearson Type 3 Distribution: A Generalized Evaluation, Donthamsetti Veerabhadra Rao, HY5: May 80:853:15391
Log Pearson Type 3 Distribution: Method of Mixed Moments, Donthamsetti Veerabhadra Rao, HY6: June 80:999:15477
The Merging of Fuzzy and Crisp Information, Colin B. Brown, EM1:Feb 80:123:15201
Statistical Descriptions of Strength of Concrete, Sher Ali Mirza, Michael Hatzinikolas and James G. MacGregor, ST6:June 79:1021:14628
Weibull Distributions and Extreme Wind Speeds, Emil Simiu and James J. Filliben, ST12:Dec 80: 2365:15909

Probability Theory
Accident and Seismic Containment Reliability, Michael N. Fardis, C. Allin Cornell and John E. Meyer, ST1:Jan 79:67:14305
Approaches for Design against Progressive Collapse, Bruce R. Ellingwood and E. V. Leyendecker, ST3: Mar 78:413:13610
Bayesian Frequency Analysis, Wilson H. Tang, HY7: July 80:1203:15532
Comparison of Friedman and Gates Competitive Bidding Models, Neal B.H. Benjamin and Richard C. Meador, CO1:Mar 79:25:14408
Creep Strain Accumulation Under Random Loading, Chavali V.S. Kameswara Rao, TN: EM6:Dec 78: 1457:14198
Decision Making and the Cost of Ignorance, Jack R. Benjamin, EFHYF:Mar 79:76
Design of a Tanker Mooring System for Dynamic Loads, Shih-lih Steve Fang and Robert M. Schneider, PO80:May 80:747
Design Temperature for Structural Elements, Paul Millman, Robert Kilcup and C. Allin Cornell, ST4: Apr 80:877:15364
First-Crossing of Second-Moment Variables, Daniele Veneziano, EM5:Oct 79:747:14904
First-Passage Approximations for Simple Oscillators, Loren D. Lutes, Yu-Tang Tom Chen and Shen-Ho Tzuang, EM6:Dec 80:1111:15894
Frequency Content in Earthquake Simulation, Loren D. Lutes and Kiat Lilhanand, EM1:Feb 79:143: 14391
Impact of Hydrologic Uncertainties on Flood Insurance, Leo R. Beard, HY11:Nov 78:1473:14168
Load and Resistance Factor Design for Steel, Mayasandra K. Ravindra and Theodore V. Galambos, ST9:Sept 78:1337:14008
Load Combinations in Codified Structural Design, Carl J. Turkstra and Henrik O. Madsen, ST12:Dec 80:2527:15938
Log Pearson Type 3 Distribution: A Generalized Evaluation, Donthamsetti Veerabhadra Rao, HY5: May 80:853:15391
Log Pearson Type 3 Distribution: Method of Mixed Moments, Donthamsetti Veerabhadra Rao, HY6: June 80:999:15477
Mode Choice Models with Perceived Reliability Measures, Joseph N. Prashker, TE3:May 79:251: 14569
Optimal Estimation of Convolution Integrals, Mircea Grigoriu and Niels C. Lind, EM6:Dec 80:1349: 15940
Optimal Reliability Analysis by Fast Convolution, Niels C. Lind, EM3:June 79:447:14648
Practical Aspects of Town Water Planning, Paul G. Fischer, Jr. and Tsung Ting Chiang, WR1:Mar 80: 159:15279
Probabilistic Earthquake Energy Spectra Equations, Polihronis-Thomas Demetriou Spanos, EM1:Feb 80:147:15204
Probabilistic Evaluation of OBE for Nuclear Plants, John T. Christian, Ralph W. Borjeson and Philip T. Tringale, GT7:July 78:907:13904
Probabilistic Evaluation of Penetration Resistances, Wilson H. Tang, GT10:Oct 79:1173:14902
Probabilistic Evaluation of Welded Structures, Achintya Haldar, Preprint No.80-540, Oct 80, 14pp.
Probabilistic Modelling as Decision Making, Mircea Grigoriu, Daniele Veneziano and C. Allin Cornell, EM4:Aug 79:585:14736
Probabilistic Procedures for Peak Ground Motions, John A. Blume and Anne S. Kiremidjian, ST11:Nov 79:2293:14976
Probabilistic Site-Dependent Response Spectra, Anne S. Kiremidjian and Haresh C. Shah, ST1:Jan 80:69: 15110
Probabilistic Soil Dynamics: State-of-the-Art, John T. Christian, GT4:Apr 80:385:15339
Probability Analysis of Historical Flood Data, Robert Gerard and Edward W. Karpuk, HY9:Sept 79:1153: 14834
Probability Model for Design Live Loads, Philip L. Chalk and Ross B. Corotis, ST10:Oct 80:2017: 15753
Probability of Response to Evolutionary Process, Polihronis-Thomas Demetriou Spanos and Loren D. Lutes, EM2:Apr 80:213:15313
Problems in Operational Hydrologic Forecasting, Jack F. Hannaford and Roderick L. Hall, EFHYF: Mar 79:47
Proposed Vehicle Loading of Long-Span Bridges, Peter Graham Buckland, Frank P.D. Navin, Jim V. Zidek and John P. McBryde, ST4:Apr 80:915: 15306
Random Thermal Stress in Concrete Containments, Mahendra P. Singh and Robert A. Heller, ST7:July 80:1481:15542
Reliability Analysis of Slopes: Frequency-Domain Method, Daniele Veneziano and Jaime Antoniano, GT2:Feb 79:165:14378
Reliability Analysis Under Stochastic Loads, Armen Der Kiureghian, ST2:Feb 80:411:15190
Reliability Considerations in Offshore Platform Criteria, Robert G. Bea, ST9:Sept 80:1835:15688
Reliability of Active Parallel Systems, Mircea Grigoriu, EY2:Aug 79:199:14740
Session II—Economic Aspects of Hydrologic Forecasting, L. Douglas James, EFHYF:Mar 79:417
Solution for Second-Moment Reliability Index, David B. Parkinson, EM5:Oct 78:1267:14094
Statistical Reliability of Ambient Noise Surveys, Daniel A. Driscoll and William J. Webster, EE80: July 80:399
Statistics of Larger Waves in a Sea State, Kenneth G. Nolte and Feng H. Hsu, WW4:Nov 79:389:14963
Stochastic Design of Flow Equilization Basins, Campbell D. MacInnes, Andrew C. Middleton and Kazimierz Adamowski, EE6:Dec 78:1275:14251
Stochastic Model of Flow Through Stratified Soils, Elfatih M. Ali, Tien H. Wu and Nien Y. Chang, GT6:June 80:593:15487
Turbulence Prediction in Open Channel Flow, Ruh-Ming Li, James D. Schall and Daryl B. Simons, HY4:Apr 80:575:15347
Uncertainties in Seismic Risk Procedures, Neville C. Donovan and Ann E. Bornstein, GT7:July 78:869: 13896
Upcrossing Rate Solution for Load Combinations, Richard D. Larrabee and C. Allin Cornell, ST1:Jan 79:125:14329

Probes (Instruments)
Probing Concrete with Radio Waves, Edwin F. Laine, K. A. Dines, Justin T. Okada and R. Jeffrey Lytle, GT7:July 80:759:15556

Problem Oriented Languages
Translating Problem-Oriented Languages, Daniel R. Rehak and Leonard A. Lopez, TC1:Apr 79:33: 14504
WESPOL-A Programming Language for POL Development, G. Gaggero, CP80:June 80:688

Procedures
Liability Implications for Low Volume Rural Highways, Melvin B. Larsen, TE6:Nov 80:803: 15844

Process Control
Fault Tree Analysis for Wastewater Treatment, David L. Kelley and Richard C. Allison, EE6:Dec 79:1105:15031
Parameter Choice for Process Control, Edward D. Schroeder and Robert L. Irvine, EE2:Apr 79:217: 14516

Processing
Anaerobic Digestion of Cannery Tomato Solid Wastes, David J. Hills and Ronald S. Dykstra, EE2:Apr 80:257:15318
Organics Removal by Ion Exchange-Process Design, Christine Ann Macko and Walter J. Maier, EE80: July 80:394

Process Variables
Determinate Hydraulic Geometry of River Channels, Richard D. Hey, HY6:June 78:869:13830

Production Engineering
Construction Productivity Factors, Altaf Hussain, EI4:Oct 79:189:14879
Professional Ethics in Private Practice, Leslie A. Clayton, Preprint No.80-147, Apr 80, 9pp.

Productivity
Communication: Key to Productive Construction, Henry W. Parker, EI3:July 80:173:15553
Construction Productivity Factors, Altaf Hussain, EI4:Oct 79:189:14879
Cost Impacts of Prevailing Wage Laws in Construction, Raymond E. Levitt and Clinton C. Bourdon, CO4:Dec 79:281:15019
Effects of Planning, Scheduling, and Communicating on Crew Productivity, R. Court Olson, Preprint No.80-576, Oct 80, 7pp.
Estimating Masonry Wall and Column Costs, Clayford T. Grimm, CO4:Dec 77:627:13413
Impact of Education & Communication on Productivity, Bill W. Klotz, EI1:Jan 78:35:13464
Improving Construction Productivity, James Choromokos, Jr. and Keith E. McKee, Preprint No.80-528, Oct 80, 22pp.
Improving Motivation and Productivity on Large Projects, John D. Borcherding, Scott Morse Sebastian and Nancy Morse Samelson, CO1:Mar 80:73:15272
Improving Productivity in Hot Weather at Remote Areas, Arthur E. Seleen, EI3:July 80:249:15565
Improving the Employee Performance Appraisal Process, Melville D. Hensey, EI3:July 80:181:15531
Increased Productivity in Place Reinforcing in Reactor Containment Structures Through the Use of Scale Reinforcing Models, Allen J. Hulshizer and Roger M. Mobley, Preprint No.80-662, Oct 80, 14pp.
Irrigation Prospects in Bendel State of Nigeria, Paul A.C. Okwuobi, IR1:Mar 79:99:14459
Japan as Number One (Book Review), CE:Oct 80: 104
Management Impacts on Labor Productivity, Robert D. Logcher and William W. Collins, CO4:Dec 78: 447:14235
Motivating Foremen on Large Construction Projects, Nancy Morse Samelson and John D. Borcherding, CO1:Mar 80:29:15276
Motivation and Productivity of the Work Force on Large Projects, John D. Borcherding and Douglas F. Garner, Preprint No.80-170, Apr 80, 21pp.
Productivity and Technology in Construction, Janet A. Koch and Fred Moavenzadeh, CO4:Dec 79:351: 15077
Productivity in the Construction Industry, Arthur J. Fox, Jr., EI1:Jan 78:49:13462
Productivity, Performance, and Planning, Jarir S. Dajani, UP1:May 78:47:13718
Project Management and Contractual Relationships, Samuel L. Hack, CRLS:Jan 79:I-73
Role of Innovative Engineering in Rail Operations, Donald O. Eisele, MGC:July 80:138
Scat Cat: A Construction Motivational Program, John D. Borcherding and Richard L. Tucker, Preprint No.80675, Oct 80
A Structural Resource Management System, Daniel C. Kaufman, CP80:June 80:369
Union Challenges to Methods Improvement Programs, H. Randolph Thomas, Jr. and Mason P. Holland, CO4:Dec 80:455:15876
Will the World Face Up to Its Ever-Worsening Environmental Problems?, Eugene E. Dallaire, CE: Sept 80:67
Workers as Managers Boost Productivity, Ann E. Seltz-Petrash, CE:Oct 80:121
Work Sampling Programs: Comparative Analysis, H. Randolph Thomas, Jr. and Mason P. Holland, CO4: Dec 80:519:15879

Professional Activities
Bargaining with the "Professional" Union, Victor W. Korf, Preprint No.80-015, Apr 80, 15pp.
Labor Relations Considerations on PCM Projects, Russell J. Christesen and Clyde B. Tatum, CO4: Dec 80:535:15920
Professional CM: The Architect-Engineer's Viewpoint, Clyde B. Tatum, George M. Gans and George T. Harper, CO2:June 80:141:15478

Professional Advancement
Consulting Engineering Graduate Education, Lloyd H. Ketchum, Jr., EI4:Oct 79:197:14889
Coordinated Advancement for Professionals, Robert L. Kimmons, EI3:July 80:227:15529
Professional Development in Heavy Construction, Clyde B. Tatum, EI3:July 80:203:15524
Relicensure Requirements and Board Re-Evaluation, S. Russell Stearns, EI1:Jan 79:15:14332

Professional Development
Conflict on the Job: How to Cope, Virginia Fairweather, CE:Dec 79:71
Engineering-in-Traning Program: Alaska District, CoE, Kenneth E. Hitch and Dale A. Nelson, Preprint No.80-621, Oct 80, 8pp.
Engineering, Professionalism, and Unions, Richard H. French, EI1:Jan 79:1:14323
Professional Development in Heavy Construction, Clyde B. Tatum, EI3:July 80:203:15524
Professional Development in Iowa: 1979 Surveys, Robert D. Reckert, Preprint No.80-002, Apr 80, 13pp.
Professional Development in Iowa: 1979 Surveys, Robert D. Reckert, EI4:Oct 80:365:15765

Professional Engineering
Can Engineers Save the Republic?, Victor V. Veysey, EI2:Apr 80:123:15344
Creating a State Professional School of Civil Engineering, Charles W. Matheny, Jr., EI4:Oct 80: 373:15772
Engineering, Professionalism, and Unions, Richard H. French, EI1:Jan 79:1:14323
Engineering Registration Trends, Frederick H. Rogers, Sr., EI4:Oct 80:397:15777
Engineers and the Professional Corporation, William S. Feiler, EI3:July 80:219:15543
Engineers on the Witness Stand: Guidelines for Expert Testimony, John Huston, CE:Feb 79:82
Engineers' Professional Rights, Albert Flores, EI4: Oct 80:389:15774
The Ethics of Maintaining Continued Professional Competence, John S. Bruce, EI2:Apr 79:85:14545
Legal and Insurance Trends in Engineering, Gardner M. Reynolds, EI1:Jan 80:3:15154

Maintaining Competence in Engineering, E. Montford Fucik, EI2:Apr 78:101:13670
Practitioners in an Academic Environment, Gerald R. Seeley, EI3:July 80:205:15561
Professional Development in Iowa: 1979 Surveys, Robert D. Reckert, EI4:Oct 80:365:15765
Public Engineers: Accountability Without Liability, Edward J. Rhomberg and Gary W. Hein, EI4:Oct 80:345:15727
Relicensure Requirements and Board Re-Evaluation, S. Russell Stearns, EI1:Jan 79:15:14332
Summary Report of Questionnaire on Specifications (Owner and Owner Representative Returns), Joseph Goldbloom, Chmn., CO3:Sept 79:163:14799
Trends in Engineering Registration, Frederick H. Rogers, Sr., Preprint No.80-045, Apr 80, 12pp.
Trends in Engineer Registration—Sunset Review: How to Survive?, Donald A. Buzzell, Preprint No.80-508, Oct 80, 14pp.
Undergraduate Engineering Consultants, James J. Sharp and A. John Christian, EI1:Jan 80:51:15127
When in Rome Do as the Romans: Should the Professional and Business Ethics of American Engineers be a Function of the Country in which They Practice, A. Colin Lauchlan, EI3:July 79:167:14719
1979 ASCE Salary Survey, Oscar R. George, Chmn., EI3:July 80:275:15568

Professional Personnel
Improving the Employee Performance Appraisal Process, Melville D. Hensey, EI3:July 80:181:15531
Professional Alternative to Collective Bargaining, Frederic L. Blum, EI2:Apr 79:77:14514

Professional Practice
Cladding Failures — Lack of a Professional Interface, Jerry G. Stockbridge, TC2:Dec 79:307:15085
Coastal Mapping Handbook, James Collins, SU1:Nov 80:23:15814
Competition and Professional Ethics, Richard J. Favretto, EI3:July 79:137:14700
Earthquake Prediction: A Socioeconomic View, John H. Sorensen, EI3:July 80:257:15550
Engineering and Legal Professions: Interaction Needed, Alphonse E. Zanoni, EI1:Jan 79:21:14309
Engineering Registration Trends, Frederick H. Rogers, Sr., EI4:Oct 80:397:15777
Engineers' Professional Rights, Albert Flores, EI4:Oct 80:389:15774
The Ethical Dimension of Professionalism, Richard H. McCuen, EI2:Apr 79:89:14513
Federal Regulations and Professional Practice, Seymour S. Greenfield, EI4:Oct 79:219:14916
Is Competitive Price Bidding for Professional Services Practical?, Alice Tulloch, EI1:Jan 80:57:15120
Organization and Control of Engineering Design Firms, Robert D. Logcher and Raymond E. Levitt, EI1:Jan 79:7:14302
Professional Construction Management Services, John D. Madsen, Chmn., CO2:June 79:139:14624
Professional Ethics in Private Practice, Leslie A. Clayton, Preprint No.80-147, Apr 80, 9pp.
Proposed Right-of-Way Policy, William T. Wambach, Jr., Chmn., SU1:Nov 79:35:14956
Public Obligation and the Ethics System, William H. Wisely, EI3:July 79:131:14685
Recommended Procedure for Computer Selection, J. Crozier Brown, TC2:Dec 79:319:15071
The Regulation of Mine Waste Disposal, Bruce C. Vandre, IRKB:July 80:898
Reliability of Computer-Aided Design, Kolbjorn Saether, Harold R. Sandberg and Charles F. Beck, TC2:Dec 79:371:15069
Should an Engineer be Allowed to "Moonlight" After Hours?, David T. Biggs, EI1:Jan 80:41:15104
Structural Failure, Neal FitzSimons, TC1:Aug 80:141:15625
Tornado Technology and Professional Practice, Joseph E. Minor, Preprint No.80-643, Oct 80, 11pp.
The Trade Contractors' View of Construction Management, Donald S. Barrie, CO4:Dec 79:381:15081

Professional Role
Engineering and Legal Professions: Interaction Needed, Alphonse E. Zanoni, EI1:Jan 79:21:14309
The Ethical Dimension of Professionalism, Richard H. McCuen, EI2:Apr 79:89:14513
Responding to the Challenges of Engineering Practice, Adolph J. Ackerman, EI2:Apr 80:137:15374
Why Professional Schools for Engineers?, Dan H. Pletta, EI4:Oct 80:349:15747

Professional Schools
Education in Civil Engineering: Boost Professional Orientation?, Kneeland A. Godfrey, Jr., CE:Aug 79:64
Master's Degree - A Mixed Bag, James V. Parcher, EI4:Oct 79:227:14921
Why Professional Schools for Engineers?, Dan H. Pletta, EI4:Oct 80:349:15747

Professional Societies
Competition and Professional Ethics, Richard J. Favretto, EI3:July 79:137:14700
Engineering and Legal Professions: Interaction Needed, Alphonse E. Zanoni, EI1:Jan 79:21:14309
Organizations Involved in Weather Modification, Conrad G. Keyes, Jr., IRKA:July 80:97

Profile Measurement
Pipelines—Positioning and Survey Problems, Stanley W. Hole, SU1:Nov 79:15:14951

Profiles
Debris Flow on Prismatic Open Channel, Tamotsu Takahashi, HY3:Mar 80:381:15245
Wave Runup on Variable Beach Profiles, R. Bruce Taylor, III, E. Ozsoy and Thomas J. Turco, WW2:May 80:169:15424

Profits
Crop-Water Production Functions in Economic Analysis, Harry Ayer, Paul Hoyt and Melvin L. Cotner, IRKA:July 80:336

Program Evaluation
Coastal Program Evaluation From a State Perspective or Can an Amoeba Find True Happiness Under a Microsocope?, William Travis, CZ80:Nov 80:451

Programming
Translating Problem-Oriented Languages, Daniel R. Rehak and Leonard A. Lopez, TC1:Apr 79:33:14504

Programming Languages
Not For Computer People Only—APL In Universities, Morton D. Sinkoff, CP80:June 80:424
WESPOL-A Programming Language for POL Development, G. Gaggero, CP80:June 80:688

Programs
Pavement Analysis by Programmable Calculators, Per Ullidtz and Kenneth R. Peattie, TE5:Sept 80:581:15682

Progressive Failure
Approaches for Design against Progressive Collapse, Bruce R. Ellingwood and E. V. Leyendecker, ST3:Mar 78:413:13610
Further Consideration of Progressively Fracturing Solids, John W. Dougill and M. A.M. Rida, EM5:Oct 80:1021:15764
Hypothesis for Progressive Failure in a Marl, Spyros Cavounidis and Elias Sotiropoulos, GT6:June 80:659:15505
Models of Precast Concrete Large Panel Buildings, Harry G. Harris and John C. Muskivitch, ST2:Feb 80:545:15218

Project Benefits
Coal Fired Reference Plants: Project Benefits, Clyde B. Tatum and D. J. Bracey, Preprint No.80-631, Oct 80, 17pp.
Hydrologic Uncertainty and Project Benefits, Billy E. Martin and R. W. Julian, EFHYF:Mar 79:84

Project Control
Computer Applications Bridge Inventory and Inspection Program, Avanti C. Shroff, CP80:June 80:471

Project Feasibility
Design of Length of Water Resource Simulation Experiments, Guillermo J. Vicens and John C. Schaake,, Jr., WR1:Mar 80:333:15280
Feasibility of Five Low-Head Hydro Projects, James V. Williamson and Anthony Wayne Pietz, EY1:Apr 80:57:15327
Groundwater Recharge: Economic Benefit Quantified, Lonnie D. Schardt, IRKB:July 80:129
Hydrology and Environmental Assessments, Arliss D. Ray, William P. Wenstorm and Dan D. Taylor, EFHYF:Mar 79:387
Identification and Nature of Risks—A, W. Stell Huie, CRLS:Jan 79:II-15
Interagency Permit Review Lessons of Experience, Joseph S. LeGath and Robert L. Lippson, CZ80: Nov 80:1638
Matrix Management for Transportation Projects, Carl W. Goepfert, MGC:July 80:350
Minimizing Risks and Mitigating Losses—B, Franklin T. Matthias, CRLS:Jan 79:II-133
The New Energy Boom: Hydropower, Ann E. Seltz-Petrash, CE:Apr 80:66
A Practical Intergovernmental Coordination Program, Morgan R. Rees, CZ80:Nov 80:1984
Recent OTA Projects and Progress, Charles W. Wixom and Jeffrey P. Cohn, TC1:Apr 79:97:14487
Resolution of Shoreline Disputes, Peter L. Buck and Jeffrey A. Layton, CZ80:Nov 80:1058
U.S. Water Policy: Putting the Lid on the Pork Barrel, Virginia Fairweather, CE:Apr 80:53
Why Does a Federal Demonstration Project Succeed or Fail?, Walter S. Baer, LeLand L. Johnson and Edward W. Merrow, CE:Mar 79:53

Projectile Impact
Penetration of Projectile into Terrestrial Target, Ching H. Yew and P. P. Stirbis, EM2:Apr 78:273: 13703
Projectile Penetration into Steel, Anil K. Kar, ST10: Oct 79:1871:14874

Projectiles
Protective Structure Response to Vehicle Impact, John J. Labra, ST6:June 79:991:14622

Project Management
Atlanta's New Airport Terminal—One Year Early, Within Budget, CE:Nov 80:54
Construction/Engineering Management: A Comparison, Steven S. Pinnell, Preprint No.80-069, Apr 80, 17pp.
Construction/Engineering Management: A Comparison, Steven S. Pinnell, EI4:Oct 80:405: 15779
Critical Path Scheduling: An Overview, Steven S. Pinnell, CE:July 80:66
Day-to-Day Management of Large Engineering Projects and Consortiums, Frank G. Jenes and Rodney D. Stroope, Preprint No.80-171, Apr 80, 21pp.
Day-to-Day Management of Large Engineering Projects, Frank G. Jenes and Rodney D. Stroope, EI4:Oct 80:327:15735
Development of New Features for Ices Project/1, Edmond T. Miresco, CP80:June 80:151
Engineering Management—University Programs, Tung Au, EI2:Apr 80:81:15351
Engineering Organizations as Project Managers, Frank P. Moolin, Jr. and Frieda A. McCoy, Preprint No.80-171, Apr 80, 26pp.
Improving Highway Investment Programming Methods, Lance A. Neumann, TE5:Sept 80:599: 15692
Labor Relations Considerations on PCM Projects, Russell J. Christesen and Clyde B. Tatum, Preprint No.80-174, Apr 80, 29pp.
Management System for Large Engineering Firm, W. Dennis Moran, William F. Sommerfeld and R. Timothy Heatwole, TC1:Aug 80:41:15616
Managing Joint Ventures for Large Construction Projects, James L. Lammie and D. P. Shah, Preprint No.80-171, Apr 80, 21pp.
Managing Small Projects, Keith E. McKee, EI2:Apr 80:129:15367
Managing Superprojects in the Public Sector: The Public Agency Consultant Team, Joel Wesselman, William J. Katz and Charles V. Gibbs, Preprint No.80-171, Apr 80, 16pp.
Matrix Management for Transportation Projects, Carl W. Goepfert, MGC:July 80:350
Matrix Management May Meet Your Needs for the 80s, Robert J. Cardinal, EI1:Jan 80:27:15157
Minimizing Risks and Mitigating Losses — A, G. S. Bates, CRLS:Jan 79:I-119
Motivation and Productivity of the Work Force on Large Projects, John D. Borcherding and Douglas F. Garner, Preprint No.80-170, Apr 80, 21pp.
A New Matrix Organization for a Design Firm, Gary D. Bates, Donald J. Junker and Gerald Roenker, Preprint No.80-533, Oct 80, 10pp.
The Organization: Its Effect on Project Managers, W. Eugene Estes and Arnold M. Ruskin, Preprint No.80-615, Oct 80, 14pp.
Professional CM: The Architect-Engineer's Viewpoint, Clyde B. Tatum, George M. Gans and George T. Harper, CO2:June 80:141:15478
Professional Construction Management Services, John D. Madsen, Chmn., CO2:June 79:139:14624
Professional Reference Program, Gerard Cunningham, EI2:Apr 80:107:15354
Project Management and Contractual Relationships, Samuel L. Hack, CRLS:Jan 79:I-73
Project Management: "People Communication" bests "CPM Communication", CE:Jan 80:98
Project Management — Pulling It All Together, James L. Lammie and D. P. Shah, TE4:July 80:437: 15523
Schedule Control for PCM Projects, Patricia D. Galloway and K. Nielsen, Preprint No.80-174, Apr 80, 29pp.
Soil-Cement for Protection of Shorelines, William G. Dinchak, CZ80:Nov 80:2203
Wharf Design in the Philippines, James Simpson and Estello C. Tumblod, WW4:Nov 79:375:14995

Project Planning
Contractual Arrangements—B, John P. Gnaedinger, CRLS:Jan 79:II-95
Contractual Arrangements—E, Martin N. Kelley, CRLS:Jan 79:II-113
Energy Impact Analysis in Water Project Planning, Robert M. Hagan and Edwin B. Roberts, WR1:Mar 80:289:15271
Impact of Education & Communication on Productivity, Bill W. Klotz, EI1:Jan 78:35:13464
An Interactive Construction Control System for Project Planning and Estimating, A. Fattah Chalabi, Thomas W. Staehr and Rafael Lai, CP80:June 80: 140
An Interactive Software System for Competency and Project Oriented Civil Engineering Education, A. Fattah Chalabi, CP80:June 80:406
Minimizing Risks and Mitigating Losses—B, Franklin T. Matthias, CRLS:Jan 79:II-133
The Organization: Its Effect on Project Managers, W. Eugene Estes and Arnold M. Ruskin, Preprint No.80-615, Oct 80, 14pp.
Service-Wide Earthwork — A Software Team Effort, Gordon J. Serpa and Duane W. Chamot, CP80: June 80:357
Summary Session—D, David G. Hammond, CRLS: Jan 79:II-192

Why Does a Federal Demonstration Project Succeed or Fail?, Walter S. Baer, LeLand L. Johnson and Edward W. Merrow, CE:Mar 79:53

Project Purposes
Why Does a Federal Demonstration Project Succeed or Fail?, Walter S. Baer, LeLand L. Johnson and Edward W. Merrow, CE:Mar 79:53

Projects
Evaluating PCM Firm Potential and Performance, Clyde B. Tatum, CO3:Sept 79:239:14802

Propellants
Disposal of Hazardous Toxic Munition Waste, Irving Forsten, EE80:July 80:440

Properties
Land Records: Costs, Issues and Requirements, James L. Clapp and Bernard J. Niemann, Jr., SU80: June 80:1

Property Condemnation
Preferential Acquisition of Development Rights, Steven J. Foute, UP1:May 78:41:13732

Property Values
Preferential Acquisition of Development Rights, Steven J. Foute, UP1:May 78:41:13732

Proportioning
Proportioning of Box Girder Bridges, Conrad P. Heins and Li-Jen Hua, TN: ST11:Nov 80:2345: 15792

Protective Coatings
Specifying Pipeline Construction, Milton J. Hecker, TE4:July 79:361:14699

Protective Structures
Protective Structure Response to Vehicle Impact, John J. Labra, ST6:June 79:991:14622

Prototype Tests
Prototype Spillway Performance Verification, Clayton L. Anderson and Fred W. Blaisdell, HY6:June 79: 707:14639

Psychrometers
Characterization of Expansive Soils Using Soil Suction Data, Donald R. Snethen, SLS:June 80:54

Publications
Coastal Mapping Handbook, James Collins, SU1:Nov 80:23:15814
A New Manual on Map Uses, Scales, and Accuracies, Carl B. Feldscher, SU1:Nov 80:143: 15853

Public Benefits
America's Energy Future—A Primer and Discussion of Options, Kneeland A. Godfrey, Jr., CE:Sept 79: 104
Community Programming in Newer Industrial Nations, Vernon E. Swanson, UP1:Jan 79:1:14280

Public Buildings
Seismic Hazards and Public Policy as Viewed by a Local Agency, James E. McCarty, C080:80:28

Public Employees
Public Engineers—Why the Least Happy Category of Civil Engineers?, Kneeland A. Godfrey, Jr., CE: Mar 80:86

Public Health
Are Environmental Regulations Attaining a Realistic Balance among Energy and Environmental Goals, Robert M. Jimeson and Robert Kane, EE1:Feb 79: 121:14389
Characterization of Ozone Episodes in Urban Air, Richard A. Wadden, Edgar D. Ross and Jimmie E. Quon, EE4:Aug 79:621:14733
Health Aspects of Water Reuse in California, James Crook, EE4:Aug 78:601:13928
Monitoring on Wilderness Water Quality, Gordon Snyder, IRKB:July 80:504
Organics in Water—An Engineering Challenge, Perry L. McCarty, EE1:Feb 80:1:15180
Planning for Water Quality: 1776 to 1976, Donald L. Hey and W. Henry Waggy, WR1:Mar 79:121: 14440
Public Water Supply Protection Benefits, Michael B. Sonnen, EE3:June 79:511:14604
Response to a Changing Coastal Environment, Kenneth C. Caldwell, CZ80:Nov 80:1228
Wastewater Risk Assessment, Neil J. Hutzler and William C. Boyle, EE5:Oct 80:919:15748
Water Resources Planning and Public Health: 1776-1976, Leonard B. Dworsky and Bernard B. Berger, WR1:Mar 79:133:14445
Water Supply Feasibility Studies in Philippines, Leonardo V. Gutierrez, Jr., UP1:May 78:59:13726
Weighting of Factors in Environmental Evluation, Naojiro Aoshima and Shogo Kawakami, UP2:Nov 79:119:14952

Public Information Programs
Impact of Education & Communication on Productivity, Bill W. Klotz, EI1:Jan 78:35:13464
Port Permitting Problems, Marcia Kenney, CZ80:Nov 80:791
Public Awareness of Homes Built on Shrink-Swell Soils, Wesley G. Holtz, SLS:June 80:617

Public Land
Determining Instream-Flow Needs on Public Lands, Mike Whittington and Bruce Van Haveren, IRKA: July 80:36

Public Opinion
Public Participation in Environmental Statements, Steven M. Fusco, WR1:Mar 80:123:15264
Public Reaction to a Construction Project, Enno Koehn and Lawrence C. Winkelman, Preprint No.80-009, Apr 80, 20pp.
U.S. Energy Future - Will We Make the Hard Decisions?, CE:Jan 80:73

Public Policy
America's Energy Future—A Primer and Discussion of Options, Kneeland A. Godfrey, Jr., CE:Sept 79: 104
Distribution of Urban Transportation Costs, Chris Hendrickson and John Pucher, UT79A:July 79:81
A Federal Perspective on Lifeline Seismic Safety, Richard J. Green, C080:80:1
Lifelines, Seismic Hazards and Public Policy, Charles Conrad Thiel, Jr., C080:80:6
Policies for Lifeline and Critical Facility Safety, Robert A. Olson, C080:80:180
President's Inaugural Speech: October 24, 1979, Joseph S. Ward, EI3:July 80:165:15549
Principles of Public Involvement, Karl F. Schmid, UP1:May 78:1:13728
Seismic Hazards and Public Policy as Viewed by a Local Agency, James E. McCarty, C080:80:28
Seismic Hazards: A State Government Perspective, Priscilla C. Grew, C080:80:18

Public Transportation
An Analysis of Areawide TSM/Air Quality Actions, Tom K. Ryden and Stephen M. Howe, CAAA:Nov 79:169
Direct Cost/Revenue Shortfalls in Transportation, S. David Phraner and Victor Gulewicz, UT79A:July 79:60
Hazardous Location Program, Edwin M. Smith, HW80:Mar 80:109
Highways; Urban Transportation, CE:Jan 80:97
Problems and Options in Financing Urban Transportation, Paul K. Dygert and James M. Holec, UT79A:July 79:220
Simplified Modeling of Transit Corridors, Uzi Landau and Yaron Fedorowicz, TE1:Jan 80:71:15103
Singapore Mass Transit Study (Abstract), Robert A. Hubbard, MGC:July 80:313

Transportation in A Socio-Physical Planning Model, Donald Wolbrink and Ellsworth B. Narris, MGC: July 80:237

Public Works
Computerizing Public Works Design, Ann E. Seltz-Petrash, CE:May 80:76
An Engineering View of CAMRAS, William Bathke, SU80:June 80:233
The Evolution of Mitigation in a Highway System, Rodney Edwin Emmer, CZ80:Nov 80:1119
A Local Endangered Species Program — Florida Manatee, *Trichechus manatus*, Diane D. Barile, CZ80:Nov 80:186
Public Works Directors—Why Do Some Stand Out?, Philip V. Di Vietro, CE:Aug 80:68
Social Aspects of Water Resources Planning, Gene E. Willeke, WR1:Mar 79:79:14428
Water Resources Planning — Historical Development, Theodore M. Schad, WR1:Mar 79:9:14410
What Can be Done to Boost the Efficiency of the Civil Engineering Profession?, CE:Oct 80:91

Publishing
A Federal Perspective on Lifeline Seismic Safety, Richard J. Green, C080:80:1
Policies for Lifeline and Critical Facility Safety, Robert A. Olson, C080:80:180

Puerto Rico
San Juan National Historic Site Shore Protection, Charles F. Stevens, Preprint No.80-678, Oct 80, 11pp.

Pull-Out Resistance and Tests
Embedment Anchors Subjected to Repeated Loading, Andress Andreadis, Roger C. Harvey and Eldon Burley, TN: GT7:July 78:1033:13867
Fabric Reinforcement Designed Against Pullout, William G. Salomone, E. Boutrup, Robert D. Holtz, William D. Kovacs and Charles D. Sutton, Preprint No.80-177, Apr 80, 14pp.

Pulse Generators
Anti-Earthquake Application Of Pulse Generators, Sami F. Masri, George A. Bekey, Frederick B. Safford and Tejav J. dehghanyar, EM81:Jan 81:87
Development And Use Of Force Pulse Train Generators, Frederick B. Safford and Sami F. Masri, EM81:Jan 81:72

Pumped Storage
Environmental Effects of PG&E's Helms Project, William J. Tomei, Preprint No.80-133, Apr 80, 23pp.
Forced Plumes in a Stratified Reservoir, Brian Henderson-Sellers, HY4:Apr 78:13658
Load Management Economics with Pumped Storage, Charles R. Scherer, EY1:Apr 80:69:15314
Modeling Reservoir System With Pumped Storage, George F. McMahon, Vernon R. Bonner and Bill S. Eichert, WR1:Mar 80:239:15248
Northfield Mountain Pumped Storage Project: Performance, William F. Swiger, Philip A. Wild and Thomas J. Lamb, GT6:June 80:673:15506
Pumped Storage Optimization in Generation Systems, James S. Windsor, WR1:May 77:99:12946
Tidal Energy Integration Using Pumped Storage, Robert Anthony Gibson and Eric Montgomery Wilson, EY1:Jan 79:71:14291
TVA's Pumped Storage Plant, CE:June 80:84

Pumping
Coal for Irrigation Pump Power, Robert S. Hulsman, Preprint No.80-035, Apr 80, 15pp.
Conserving Energy with Low-Pressure Center Pivots, James R. Gilley and Lloyd B. Mielke, IR1:Mar 80:49:15292
Designing for Deficit Irrigation, Marshall J. English and G. S. Nuss, IRKA:July 80:312
Modeling in Design of Pumping Pits, James Paul Tullis, HY9:Sept 79:1053:14812
Optimal Capacity of Municipal Water Supply Pumps, Trevor C. Hughes, WR2:Sept 79:317:14846
Possible Energy Savings in Irrigation, James R. Gilley and Darrell G. Watts, IR4:Dec 77:445:13416
Practical Aspects of Town Water Planning, Paul G. Fischer, Jr. and Tsung Ting Chiang, WR1:Mar 80:159:15279
Pumping Due to Unbiased Local Wall Oscillations, David Stavitsky and Enzo Macagno, EM4:Aug 80:677:15619
Remote Sensing Study of Sinkhole Occurrence, Jay W. Casper, Byron E. Ruth and Janet D. Degner, AS80:Aug 80:1
Small-Scale Hydro Plants in Irrigation Systems, Calvin C. Warnick, IRKA:July 80:216

Pumping Plants
Graphics for Hydraulic Transients Simulation, Peter Shanahan and Brendan M. Harley, CP80:June 80:27
Seismic Design of Pumping Plants, Walter F. Anton, Preprint No.80-096, Apr 80, 22pp.

Pumping Stations
Optimization in Design of Pumping Systems, Arun K. Deb, EE1:Feb 78:127:13543
Specific Model Studies of Pumping Station Sumps, Bobby P. Fletcher and John L. Grace, Jr., Preprint No.80-640, Oct 80, 14pp.

Pumping Tests (Wells)
Nonsteady Flow to Nonpenetrating Well, Rameshwar S. Kanwar, Howard P. Johnson and Herandra S. Chauhan, IR1:Mar 79:45:14458

Pump Intakes
Cooling Tower Pump Intakes, Gary Fain, Robert Cornman and Fred Antunes, Preprint No.80-651, Oct 80, 15pp.

Pumps
Design Charts for Air Chamber on Pump Pipe Lines, Alan T.K. Fok, HY9:Sept 78:1289:14024
Multiple Operating Points in Complex Pump Networks, Michael A. Collins, Leon Cooper and Jeff L. Kennington, HY3:Mar 79:229:14452
Pumping Station Sump Design Research, John L. Grace, Jr. and Glenn R. Triplett, Preprint No.80-641, Oct 80, 10pp.
Upsurge and Speed-Rise Charts Due to Pump Shutdown, Benjamin Donsky, Roxanne M. Byrne and Paul E. Bartlett, HY6:June 79:661:14637

Purchasing
Sources of Computers for Small Engineering Firms, Morton B. Lipetz, CP80:June 80:592

Qualifications
Evaluation of Owner Comments on Specifications, Edward R. Fisk, CO4:Dec 80:469:15875
Guidelines for Successful Construction Management, Donald S. Barrie, CO3:Sept 80:237:15686

Quality Assurance
Alternative Construction Quality Assurance Programs, Weston T. Hester, CO3:Sept 79:187:14800
Construction QA/QC Systems: Comparative Analysis, Jack H. Willenbrock and Scott Shepard, CO3:Sept 80:371:15669
Quality Assurance of Engineering Software, Steven J. Fenves and Robert L. Schiffman, TC1:Apr 79:57:14482

Quality Control
Activated Sludge Effluent Quality Distribution, Wendell H. Hovey, Edward D. Schroeder and George Tchobanoglous, EE5:Oct 79:819:14880
Alternative Construction Quality Assurance Programs, Weston T. Hester, CO3:Sept 79:187:14800
Computer Applications Bridge Inventory and Inspection Program, Avanti C. Shroff, CP80:June 80:471

Concrete Production on Nuclear Power Plant Projects, H. Randolph Thomas, Jr., Jack H. Willenbrock and James L. Burati, Jr., CO3:Sept 80: 327:15703
Concrete Slump in Nuclear Power Plant Construction, H. Randolph Thomas, Jr., CO4:Dec 80:567:15881
Construction QA/QC Systems: Comparative Analysis, Jack H. Willenbrock and Scott Shepard, CO3:Sept 80:371:15669
Contractual Arrangements—E, Martin N. Kelley, CRLS:Jan 79:II-113
Geotechnical Aspects of Rubble-Mound Coastal Structures, Donald D. Treadwell, Albert P. Ridley and Orville T. Magoon, PO80:May 80:801
Marketing Analysis for A/E Firm, Donald A. Dupies, EI1:Jan 80:11:15155
Minimizing Risks and Mitigating Losses — A, G. S. Bates, CRLS:Jan 79:I-119
Motivating Foremen on Large Construction Projects, Nancy Morse Samelson and John D. Borcherding, CO1:Mar 80:29:15276
Observations on Mortar Lining of Steel Pipelines, Samuel Aroni and G. Louis Fletcher, TE6:Nov 79: 667:14966
Production Functions for Tomatoes as Affected by Irrigation and Row Spacing, W. O. Pruitt, A. A. Kamgar, D. W. Henderson and Robert M. Hagan, IRKA:July 80:346
Quality Control During Construction of Power Plantr, Robert F. Hartstern, Preprint No.80-617, Oct 80, 9pp.
Quality Control of Cadweld (Mechanical) Splices, H. Randolph Thomas, Jr., CO3:Sept 79:201:14803
Risks and Liabilities in Engineering Practice, John P. Gnaedinger, Walter E. Hanson and Narbey Khachaturian, EI4:Oct 79:207:14920
Workers as Managers Boost Productivity, Ann E. Seltz-Petrash, CE:Oct 80:121

Quarries
Earthwork Quantity Surveys at Damsites, Kevin B. Flynn, ASDC:80:124
Impact of Gravel Mining on River System Stability, Peter F. Lagasse, Brien R. Winkley and Daryl B. Simons, WW3:Aug 80:389:15643

Quarrying
Impact of Gravel Mining on River System Stability, Peter F. Lagasse, Brien R. Winkley and Daryl B. Simons, WW3:Aug 80:389:15643
Modeling of Sediment Transport in Cottonwood Creek, Alan L. Prasuhn and Edward F. Sing, HYCO:Aug 80:209
The Physical Impacts of Sand Removal From Rivers, Jimmy F. Harp and Joakim G. Laguros, IRKA:July 80:180

Quays
Wharf Design in the Philippines, James Simpson and Estello C. Tumblod, WW4:Nov 79:375:14995

Questionnaires
Business Practices in the Construction Industry: A Survey, Roland Gareis, CO4:Dec 79:317:15037
Computers in Civil Engineering Undergraduate Education, Robert John Craig, CP80:June 80:419
Computers in Engineering Organization Management, F. Lawrence Bennett, EI3:July 79: 147:14714
A/E Use of Computer Aids on Federal Projects, Ronald L. King, CP80:June 80:562
Evaluation of Contractor Comments on the Quality of Specifications, Maynard Charles Nugent, CO2: June 78:153:13801
Evaluation of Specification of Questionnaire Returns, Edwin Jones, CO2:June 80:169:15492
Race, Income and Attitude Toward Beach Cleanliness, Charles A. Heatwole and Neils C. West, CZ80:Nov 80:1684
Summary Report of Questionnaire on Specifications (Contractor Returns), Joseph Goldbloom, Chmn., CO3:Sept 78:353:14001
Summary Report of Questionnaire on Specifications (Owner and Owner Representative Returns), Joseph Goldbloom, Chmn., CO3:Sept 79:163:14799
The Trade Contractors' View of Construction Management, Donald S. Barrie, CO4:Dec 79:381: 15081

Queueing
Port Capacity Determination and Planning, Ernst G. Frankel and Chang Bin Tang, PO80:May 80:193

Racial Factors
Race, Income and Attitude Toward Beach Cleanliness, Charles A. Heatwole and Neils C. West, CZ80:Nov 80:1684

Radial Flow
Air Entrainment in Radial Flow Towards Intakes, Akalank K. Jain, Kittur G. Ranga Raju and Ramachandra J. Garde, HY9:Sept 78:1323:14038
Radial Hydraulic Jump, Abdelkawi M. Khalifa and John A. McCorquodale, HY9:Sept 79:1065:14825
Submerged Radial Hydraulic Jump, John A. McCorquodale and Abdelkawi M. Khalifa, HY3: Mar 80:355:15250

Radiation
Water Temperature Mapping by Infrared Scanner, James B. Evans, AS80:Aug 80:118

Radioactive Materials
Long-Term Geologic Storage of Spent Fuel, A. David Rossin, ST7:July 80:1475:15538

Radioactive Tracers
Determination of Aquifer Transport Parameters, Gunter Hibsch and Andrzej Kreft, HY9:Sept 79: 1137:14833

Radioactive Waste Disposal
Feasibility of Sealing Boreholes with Compacted Earth to Protect Underground Nuclear Waste Repositories, Joseph M. Olsen and R. Torrence Martin, Preprint No.80-166, Apr 80, 15pp.
Initial Engineering Design Approach for Sealing of Geologic Nuclear Waste Repositories, D. K. Shukla, N. Foster Allen, D. E. Stephenson and Richard D. Ellison, Preprint No.80-168, Apr 80, 19pp.
Long-Term Geologic Storage of Spent Fuel, A. David Rossin, ST7:July 80:1475:15538
Nuclear Wastes: Safe Way to Dispose Them Underground Forever, Eugene E. Dallaire, CE:May 79:72
Numerical Modeling of Radioactive Waste Repositories, Paul F. Gnirk, Gary D. Callahan and Joe L. Ratigan, Preprint No.80-164, Apr 80, 22pp.
Underground Nuclear Waste Disposal — Scope and Concepts, Christopher M. St. John, Preprint No.80-165, Apr 80, 19pp.

Radioactive Waste Processing
Long-Term Geologic Storage of Spent Fuel, A. David Rossin, ST7:July 80:1475:15538

Radioactive Wastes
Deep Storage of Nuclear Waste: Structural Issues, David A. Day, EY2:Oct 80:201:15746
Installation Restoration—An Army Initiative, Frank A. Jones, Jr., Donald K. Emig and John P. Glennon, EE80:July 80:571
Long-Term Geologic Storage of Spent Fuel, A. David Rossin, ST7:July 80:1475:15538
Nuclear Wastes: Safe Way to Dispose Them Underground Forever, Eugene E. Dallaire, CE:May 79:72

Radioactivity
Installation Restoration—An Army Initiative, Frank A. Jones, Jr., Donald K. Emig and John P. Glennon, EE80:July 80:571

Radioisotopes
Airborne Snow Survey Using Natural Gamma Radiation, Thomas R. Carroll and Kenneth G. Vadnais, ASDC:80:1

Railroad Ballast
Design Procedure for Asphalt Railway Roadbeds, James Colville, TE6:Nov 79:651:14971
Examination of Degraded Aggregate Cement Value Test, Gerald Patrick Raymond, TE3:May 79:329: 14595
Railroad Ballast Load Ranking Classification, Gerald Patrick Raymond and Vishnu A. Diyaljee, GT10: Oct 79:1133:14900
Railroad Ballast Prescription: State-of-the-Art, Gerald Patrick Raymond, GT2:Feb 79:305:14397
Transportation Engineering Research Needs, CE:Nov 79:89

Railroad Cars
Control of Noise of Rapid Transit Cars, A. Paolillo and W. A. Jehle, EE80:July 80:406

Railroad Engineering
Role of Innovative Engineering in Rail Operations, Donald O. Eisele, MGC:July 80:138

Railroad Grade Crossing Accidents
Railroad Highway Grade Crossing Program: Railroad View, Frederick J. Kull, HW80:Mar 80:130

Railroads
Examination of Degraded Aggregate Cement Value Test, Gerald Patrick Raymond, TE3:May 79:329: 14595
Load Response of Transportation Support Systems, Lutfi Raad and Jose L. Figueroa, TE1:Jan 80:111: 15146
Track Maintenance: Management and Planning, Alfred E. Fazio, TE6:Nov 80:705:15810

Railroad Stations
Applicability of Joint Development Tools in Detroit, Kenneth S. Opiela, Snehamay Khasnabis and Ronald G. Arbogast, UP1:Nov 80:71:15861
Human Orientation in Transportation Terminals, John P. Braaksma and W. Jordan Cook, TE2:Mar 80:189:15274
The USS Program in Metro Dade's Rapid Transit Project, Ronald L. Rardin, Liana Stanton and Charles C. Schimpeler, Preprint No.80-612, Oct 80, 14pp.

Railroad Terminals
Mode Alternatives for Serving Rail Freight Users, Benjamin S. Zodikoff, MGC:July 80:129

Railroad Ties
Track Gage Widening: Model Study, Allan M. Zarembski and Mostafa Rassaian, TE6:Nov 79:715: 14998

Railroad Tracks
Design for Railroad Ballast and Subgrade Support, Gerald Patrick Raymond, GT1:Jan 78:45:13471
Effect of Imperfections on Vertical Track Buckling, Yehia M. El-Aini, EM6:Dec 78:1327:14221
GEOTRACK Model for Railroad Truck Performance, Ching S. Chang, Clement W. Adegoke and Ernest T. Selig, GT11:Nov 80:1201: 15819
Improved Stress Analysis for Cross-Tie Tracks, Arnold D. Kerr, EM4:Aug 79:539:14752
Response of Locomotives on Randomly Imperfect Tracks, Mahendra P. Singh, Preprint No.80-633, Oct 80, 14pp.
Track Gage Widening: Model Study, Allan M. Zarembski and Mostafa Rassaian, TE6:Nov 79:715: 14998
Track Maintenance: Management and Planning, Alfred E. Fazio, TE6:Nov 80:705:15810
Track Structure Design by Mathematical Models, Wai-Cheong So, TE5:Sept 79:483:14828

Railroad Track Support Structures
Design Procedure for Asphalt Railway Roadbeds, James Colville, TE6:Nov 79:651:14971
Track Structure Design by Mathematical Models, Wai-Cheong So, TE5:Sept 79:483:14828
Transportation Engineering Research Needs, CE:Nov 79:89

Railroad Trains
Railway-Bridge Impact: Simplified Train and Bridge Model, Kuang-Han Chu, Vijay K. Garg and Chaman L. Dhar, ST9:Sept 79:1823:14855

Rails
Improved Stress Analysis for Cross-Tie Tracks, Arnold D. Kerr, EM4:Aug 79:539:14752

Rail Transportation
Data Base Development at Maryland DOT, Dennis R. Atkins, CP80:June 80:363
Overview of DOE Programs for Energy Efficiency in Transportation, Richard T. Alpaugh and James S. Moore, MGC:July 80:148
Population and Economic Data in Transit Analysis, Katrin Parker-Simon and Robert E. Paaswell, UP1: Nov 80:43:15827

Rainfall
Analysis of Combined Rainfall-Hurricane Surge Frequencies, M. Aziz Tayfun and Jerry L. Machemehl, HYUS:June 80:15
Coastal Plains Unit Hydrograph Studies, Donald E. Woodward, Paul I. Welle and Helen Fox Moody, HYUS:June 80:99
Contamination in the Hydrologic Data Base, Robert J.C. Burnash and R. Larry Ferral, EFHYF:Mar 79: 303
Design for Erosion Loss Studies on Disturbed Lands, W. Russell Hamon and James V. Bonta, IRKB:July 80:27
Design Hyetographs for Small Drainage Structures, Ben Chie Yen and Ven Te Chow, HY6:June 80: 1055:15452
Developing Agricultural Best Management Practices, Gaylord V. Skogerboe, Wynn R. Walker and Robert G. Evans, IRKA:July 80:298
Estimating Erosion and Sediment Yield from Rangeland, Kenneth G. Renard, IRKB:July 80:164
Estimation of Direct Runoff from Urban Watersheds, Aolad Hossain, A. Ramachandra Rao and Jacques W. Delleur, HY2:Feb 78:169:13565
Expansive Roadbed Treatment for Southern Africa, D. J. Weston, SLS:June 80:339
Finite Element Method for Direct Runoff Flow, Mutsuto Kawahara and Teruyuki Yokoyama, HY4: Apr 80:519:15341
Hydrologic Networks: Information Transmission, William F. Caselton and Tahir Husain, WR2:July 80:503:15572
Infiltration and Curve Numbers: Some Pragmatic and Theoretic Relationships, Richard H. Hawkins, IRKB:July 80:925
Interstorm Relations in Pacific Northwest, Ralph H. Frederick, HY12:Dec 78:1577:14255
Modeling Combined Sewer Storage Alternatives, Gregory L. Shahabian, Anthony J. Graham and George E. Kamedulski, EE80:July 80:480
Modeling supplement Irrigation Water Demand, J. David Dean, IR4:Dec 80:285:15897
A Note on Joint Probability of Surge and Rainfall, Fei Fan Yeh, HYUS:June 80:1
Optimization of Unit Hydrograph Determination, Larry W. Mays and Lynn Coles, HY1:Jan 80:85: 15129
Parallel Cascades Model for Urban Watersheds, Mordechai H. Diskin, Simon Ince and Kwabena Oben-Nyarko, HY2:Feb 78:261:13569
Reciprocal-Distance Estimate of Point Rainfall, John R. Simanton and Herbert B. Osborn, TN: HY7:July 80:1242:15516
Satellite Data Collection Platforms in River and Flood Forecasting, Allen F. Flanders and J. W. Schiesl, ASDC:80:300

Satellites as Aid to Water Resource Managers, David F. McGinnis, Jr., Roderick A. Scofield, Stanley R. Schneider and Craig P. Berg, WR1:Mar 80:1:15244
Session I—Analytic Techniques in Hydrology—State-of-the-Art, John J. Cassidy, EFHYF:Mar 79:414
A Simple Lumped-Parameter Runoff-Quality Model, William M. Alley, HYUS:June 80:236
The STS Method for Flood Frequency Estimation, Mark Wildermuth, HYUS:June 80:66
Three-Dimensional Wakes: Origin and Evolution, Enzo Levi, EM4:Aug 80:659:15618

Rainfall Intensity
Erosivity Values for Individual Design Storms, Keith R. Cooley, IR2:June 80:135:15462

Rainfall-Runoff Relationships
Curve Numbers from Watershed Data, Everett P. Springer, Bruce J. McGurk, Richard H. Hawkins and George B. Coltharp, IRKB:July 80:938
Drainage System Design and Implementation in Southwestern British Columbia, Brian E. Baehr, IRKA:July 80:274
Empirical Investigation of Curve Number Technique, Allen T. Hjelmfelt, Jr., HY9:Sept 80:1471:15693
Flood Flow Frequency by SCS-TR-20 Computer Program, Vaiyapuri Danushkodi, HY9:Sept 79:1123:14818
Hydrographs by Single Linear Reservoir Model, John T. Pedersen, John C. Peters and Otto J. Helweg, HY5:May 80:837:15430
Origin and Evolution of the SCS Runoff Equation, Robert E. Rallison, IRKB:July 80:912
Runoff Curve Numbers form Partial Area Watersheds, Richard H. Hawkins, IR4:Dec 79:375:15024

Rain Gages
Reciprocal-Distance Estimate of Point Rainfall, John R. Simanton and Herbert B. Osborn, TN: HY7:July 80:1242:15516

Rain Water
Rain Water Management for Low Land Rice Cultivation in India, V. V. Dhruva Narayana, IR1: Mar 79:87:14430

Random Processes
Damping of An Offshore Platform Model By Random DEC Method, J. C. S. Yang, M. Sherif Aggour, N. Dagalakis and F. Miller, EM81:Jan 81: 819
First-Passage Approximations for Simple Oscillators, Loren D. Lutes, Yu-Tang Tom Chen and Shen-Ho Tzuang, EM6:Dec 80:1111:15894

Random Variables
Statistical Analysis of Hydrologic Critical Droughts, Zekai Sen, HY1:Jan 80:99:15134

Random Vibration
Active Control and Stability of Cable-Stayed Bridge, Jann-Nan Yang and Fanis Giannopoulos, EM4:Aug 79:677:14762
Active Control of Two-Cable-Stayed Bridge, Jann-Nan Yang and Fanis Giannopoulos, EM5:Oct 79: 795:14899
Column Response to Horizontal-Vertical Earthquakes, Y. K. Lin and Teng-Yuan Shih, EM6: Dec 80:1099:15896
Dynamic Response to Nonstationary Nonwhite Excitation, Dario A. Gasparini and Amitabha DebChaudhury, EM6:Dec 80:1233:15900
Motion of Suspension Bridges in Turbulent Winds, Y. K. Lin, EM6:Dec 79:921:15044
Probabilistic Earthquake Energy Spectra Equations, Polihronis-Thomas Demetriou Spanos, EM1:Feb 80:147:15204
Response of MDOF Systems to Nonstationary Random Excitation, Dario A. Gasparini, EM1:Feb 79:13:14341
Seismic Design Input for Secondary Systems, Mahendra P. Singh, ST2:Feb 80:505:15207
Tall Building Response to Earthquake Excitations, Jann-Nan Yang, Y. K. Lin and S. Sae-Ung, EM4: Aug 80:801:15642

Rangeland
Contour Furrowing as a Range Management Practice, Earl L. Neff and J. Ross Wight, IRKB:July 80:827
Estimating Erosion and Sediment Yield from Rangeland, Kenneth G. Renard, IRKB:July 80:164
Range Treatment Effects on Infiltration Rates, John M. Tromble, IRKB:July 80:802
Reducing Salinity of Surface Runoff from Rangeland, R. Gordon Bentley, Eric B. Janes and Keith O. Eggleston, IRKB:July 80:69
Universal Soil Loss Equation and Rangelands, W. H. Blackburn, IRKB:July 80:588

Range Management
Contour Furrowing as a Range Management Practice, Earl L. Neff and J. Ross Wight, IRKB:July 80:827
Sediment from a Small Summer Grazed Watershed, David H. Fortier, Myron Molnau and Keith E. Saxton, IRKB:July 80:790

Rapid Transit Railways
Applicability of Joint Development Tools in Detroit, Kenneth S. Opiela, Snehamay Khasnabis and Ronald G. Arbogast, UP1:Nov 80:71:15861
Improving Performance in Rapid Transit Systems, Harvison Hunt, TE4:July 79:393:14710
Intermodal Transportation Garage Facility, Alfred J. Pacelli, TE4:July 80:401:15540
Mixed Face Tunneling on Melbourne Underground, Alfred M. Petrofsky, CO3:Sept 80:409:15695
Optimizing Joint Development at Transit Stations, Ronald G. Arbogast, Snehamay Khasnabis and Kenneth S. Opiela, TE5:Sept 80:539:15709
Reducing Costs in Urban Transportation Construction, John W. Fondahl, Boyd C. Paulson, Jr. and Henry W. Parker, CO1:Mar 79.51:14406
Vibrations of Curved Spans for Mass Transit, Thomas P. Joseph and James F. Wilson, EM2:Apr 80:255: 15361
Washington METRO: A People's Eye View, Ann E. Seltz-Petrash, CE:June 79:59

Rapid Transit Systems
Control of Noise of Rapid Transit Cars, A. Paolillo and W. A. Jehle, EE80:July 80:406
Cost Estimating System Used on Dade County Rapid Transit System, Joseph E. Baumie, Preprint No.80-627, Oct 80, 17pp.
First Line of Atlanta's New Transit System Opens, CE:July 79:77
Honolulu Mass Transit — Past, Present, and Future, Robert R. Way, MGC:July 80:396
Management Scheduling Techniques Used on the Dade County Rapid Transit System, Ronald S. Steiner, Preprint No.80-515, Oct 80, 12pp.
METRORAIL: Computer Simulation in Design, Norman J. Jester, Preprint No.80-626, Oct 80, 9pp.
Minority Business Enterprise Efforts - Feedback From the Field, CE:Jan 80:96
The San Diego Light Rail Story, John A. Coil, MGC: July 80:301
Subway Construction Costs: The Role of the Engineer, Robert S. O'Neil, CO4:Dec 80:447:15916
The USS Program in Metro Dade's Rapid Transit Project, Ronald L. Rardin, Liana Stanton and Charles C. Schimpeler, Preprint No.80-612, Oct 80, 14pp.

Rates
Modeling Pollution in Strait of Maracaibo, Gustavo Parra-Pardi, EE5:Oct 80:959:15751
Optimal Capacity of Municipal Water Supply Pumps, Trevor C. Hughes, WR2:Sept 79:317:14846

Ratings
Bridge Analysis and Rating System, Hasmukh M. Lathia, TC1:Apr 79:211:14538
Improving the Employee Performance Appraisal Process, Melville D. Hensey, EI3:July 80:181:15531

Rational Functions
Hydraulic Geometry of Active Gravel Rivers, Gary Parker, HY9:Sept 79:1185:14841

Raw Materials
Pollution Externalities—Who Pays?, Michael W. Christensen, CZ80:Nov 80:320

Rayleigh Waves
Shear and Rayleigh Waves in Soil Dynamics, George C. Gazetas and Mishac K. Yegian, GT12:Dec 79:1455:15053

Raymond C. Reese Research Prize
Infilled Walls for Earthquake Strengthening, Lawrence F. Kahn and Robert D. Hanson, ST2:Feb 79:283:14364
Stability Analysis and Design of Concrete Frames, James G. MacGregor and Sven E. Hage, ST10:Oct 77:1953:13280

Reactions (Mechanics)
Coefficients of Soil Reaction to Pile Vibration, Toyoaki Nogami and Milos Novak, TN: GT5:May 80:565:15432
Skewed Bridges with Intermediate Transverse Bracings, M. Sherif Aggour and M. Shafik Aggour, ST8:Aug 79:1621:14782

Reactor Cores
3-D Nonlinear Dynamic Analysis of Stacked Blocks, Kiyoshi Muto, Hiromoto Takase, Kiyomi Horikoshi and Hiromichi Ueno, EM81:Jan 81:917

Ready Mixed Concrete
Truck Allocation Model for Concrete Distribution, David G. Woods and Frank C. Harris, CO2:June 80:131:15490

Reaming
Bored Pile Groups under Vertical Load in Sand, Krishan G. Garg, GT8:Aug 79:939:14786

Recession Curves
Computation of Recession and Runoff Integral, J. Mohan Reddy, TN: IR4:Dec 80:367:15873

Recharge Wells
Dual Recharge Well for Water Supply Stabilization, William H. Fleming, Jr. and Gerald E. Speitel, EE80:July 80:257

Recirculation
Heat Recirculation Induced by Thermal Diffusers, Joseph H.W. Lee, Gerhard H. Jirka and Donald R.F. Harleman, HY10:Oct 79:1219:14929

Reclaimed Water
Planning, Design, Construction and Operation of a Reclaimed Water System, Shahnawaz Ahmad and James C. Lundie, EE80:July 80:122
Use of Highly-Treated Wastewater to Recharge the Ground-Water Reservoir in Nassau County, Long Island, New York, David A. Aronson, EE80:July 80:214

Reclamation
Evaluation of Land Treatment of Wastewater in California, John R. Thornton and James D. Goff, EE80:July 80:106
Organics in Water—An Engineering Challenge, Perry L. McCarty, EE1:Feb 80:1:15180
Planning, Design, Construction and Operation of a Reclaimed Water System, Shahnawaz Ahmad and James C. Lundie, EE80:July 80:122
Reclamation of Abandoned Mine Site, James R. Johnson, EE3:June 79:597:14629
Tile Drainage of Irrigated Till Soils in Alberta, B. A. Paterson and D. Brook Harker, IRKA:July 80:263

Reconnaissance
Applications of Advanced Airborne Reconnaissance Instrumentation Systems (Abstract), Robert C. Sheets, MGC:July 80:364

Recording Systems
Analog Model for Piles in Expansive Clay, Joram M. Amir and M. S. Sokolov, SLS:June 80:582

Records Management
Calgary's Computer Mapping & Geographic Referencing, R. G. Conway and E. Bert Piepgrass, SU80:June 80:59
An Engineering View of CAMRAS, William Bathke, SU80:June 80:233
Land Records: Costs, Issues and Requirements, James L. Clapp and Bernard J. Niemann, Jr., SU80:June 80:1
Land Records Management In North Carolina, Donald P. Holloway and Ronald F. Scott, SU80:June 80:33
Quality Assurance of Engineering Software, Steven J. Fenves and Robert L. Schiffman, TC1:Apr 79:57:14482
RMLR: What It Means to the Civil Engineer, Joel N. Orr, SU80:June 80:229

Recreation
The Coastal Land Development Process: Developer's Plights, Valinda Parker and Kent S. Butler, CZ80:Nov 80:1010
Monitoring on Wilderness Water Quality, Gordon Snyder, IRKB:July 80:504
Subdivision of Rural Land and Recreational Area Development—Eildon Reservoir, Bruce Kenneth Willersdorf, ASDC:80:150
Transportation for Urban Recreation, Arnold H. Vollmer, Preprint No.80-634, Oct 80, 5pp.

Recreational Facilities
Boating: Challenged by Coastal Regulations, Susan H. Anderson, CZ80:Nov 80:104
Improving Parking Efficiency through TSM, Larry John Matel, TE1:Jan 80:11:15131
Land Data Systems for Transport Planning in Undeveloped Areas, Andrew C. Lemer and Robert W. Felsburg, SU80:June 80:129
A Local Endangered Species Program — Florida Manatee, *Trichechus manatus*, Diane D. Barile, CZ80:Nov 80:186
Measuring Preferences for Natural Landscapes, John A. Dearinger, UP1:Jan 79:63:14308
Nonpoint Source Loads and Impacts to a Water Supply Reservoir, Charles J. Newell and Philip B. Bedient, EE80:July 80:364
The San Diego Regional Coastal Access Study, Dennis A. Prescott, CZ80:Nov 80:1662
Small Craft Harbor Evaluation, Phillip Alan Cline, CZ80:Nov 80:942
Waterfront Master Plan for Kenosha, Wisconsin, J. William Allen, Thomas W. Wood and Ian J. McAlister, CZ80:Nov 80:267
Water Quality and Wildland Resource Management, Alan F. Galbraith, IRKB:July 80:298

Recreation Demand
Subdivision of Rural Land and Recreational Area Development—Eildon Reservoir, Bruce Kenneth Willersdorf, ASDC:80:150

Recreation Facilities
Coastal Management Policy Emphasis in an Urban National Recreation Area, Herbert S. Cables and John T. Tanacredi, CZ80:Nov 80:213
Effect of Drainage Inlets on Recreation Facilities, Donald F. Mills, HYUS:June 80:388
Multidimensional Scaling in Recreational Planning, John E. Praskey, R. Keith Weaver, Edward A. McBean and Keith William Hipel, WR1:Mar 80:61:15275
Providing Public Waterfront Access in Maryland, Kathy H. Fitzpatrick, Trisha A. Bednarz and Earl H. Bradley, Jr., CZ80:Nov 80:1406
Subdivision of Rural Land and Recreational Area Development—Eildon Reservoir, Bruce Kenneth Willersdorf, ASDC:80:150

Recruiting
Recruiting in Underdeveloped Countries, Altaf Hussain, EI4:Oct 79:183:14878

Recursive Functions
Forced Vibration of Beams by Eigenmatrix Method, Bennosuke Tanimoto, Kiyoshi Ishikawa and Shotaro Natsume, ST12:Dec 79:2725:15090

Redundancy
Bridge Redundancy: Effects of Bracing, Conrad P. Heins and Cheng K. Hou, TN: ST6:June 80:1364: 15451
Data Bases for Information Management, William L. Howard, CP80:June 80:638
Mechanism Generation for Limit Analysis of Frames, Vernon B. Watwood, ST1:Jan 79:1:14315
Redundancy of Flexural Systems: State-of-the-Art, Chai Hong Yoo, Preprint No.80-587, Oct 80, 8pp.

Reflectance
Regional Paratransit Services: An Evaluation, John Collura and Robert P. Warren, TE6:Nov 79:683: 14969

Reflection
Reflection and Refraction at Subsonic Velocities, Thambirajah Balendra, EM4:Aug 80:819:15646

Refraction
Direct Solution of Wave Dispersion Equation, John N. Hunt, TN: WW4:Nov 79:457:14944
A Predictive Model of Hurricane Wind-Waves, Rodney J. Sobey and Ian R. Young, HYCO:Aug 80:333
Reflection and Refraction at Subsonic Velocities, Thambirajah Balendra, EM4:Aug 80:819:15646

Refraction (Water Waves)
Extreme Values of Breaker Direction and Longshore Current, Michael Stiassnie and Uri I. Kroszynski, TN: WW3:Aug 79:331:14731

Refuse Disposal
Codisposal of Sludge and Refuse, William F. Cosulich and Miro Dvirka, EE80:July 80:592
Comprehensive Solid Waste Plan — Palm Beach County, Timothy F. Hunt, Jr., Preprint No.80-628, Oct 80, 7pp.
Demonstration d-RDF Burn GSA Pentagon Power Plant, H. M. Freeman, Jay Campbell and M. A. Golembiewski, EE80:July 80:598
Harrisburg Pioneering Codisposal of Refuse and Sludge, CE:Oct 79:72
Landfill Management with Moisture Control, James O. Leckie, John G. Pacey and Constantine Halvadakis, EE2:Apr 79:337:14533
Regional Resource Recovery Center Cost Analysis, Paul L. Bishop, Elizabeth Howard, Marcia Flinkstrom, Cindy White and Robert Cook, EE5: Oct 80:977:15760
Treatment of Wastewater from Refuse-to-Energy Systems, Gordon P. Treweek, Preprint No.80-025, Apr 80, 28pp.
Wet Disposal of Fossil Plant Wastes, Keith A. Kessler, Preprint No.80-660, Oct 80, 14pp.

Regional Analysis
Regional Geology of the Dartmouth Dam Site, F. Cox, ASDC:80:105

Regional Development
Regional Water Programs in North Carolina, Jon A. Arnold, EE2:Apr 79:183:14524

Regional Planning
Baltimore: Public Involvement as Part of Planning, Sandra S. Lippman, CAAA:Nov 79:369
CAPDET—Cost Estimating for Wastewater Treatment, M. John Gullinane, Jr., CP80:June 80: 320
Coastal Siting of Hazardous Waterfront Facilities, Paul C. Golden, CZ80:Nov 80:562
Coastal Zone Intergration of State and Local Plans, Lowdon Wingo and James Fawcett, CZ80:Nov 80: 2052
Desk Calculator Model for Wastewater Planning, Donald T. Lauria, EE1:Feb 79:113:14390
Distributing Regional Services Costs, Lewis A. Rossman and Patricia Ann Graham, UP1:Jan 79:51: 14284
Drainage System Design and Implementation in Southwestern British Columbia, Brian E. Baehr, IRKA:July 80:274
Energy Facility Planning and Siting in the Coastal Zone, Donald E. Glass, CZ80:Nov 80:396
Environmental Models for Screening Land-Use Plans, Michael H. Shapiro and Peter R. Rogers, UP2:Nov 79:151:14949
Flood Mitigation Planning Using HEC-SAM, Darryl W. Davis, SU80:June 80:113
Low Income Housing Planning: State-of-the-Art, Leonard F. Heumann, UP2:Nov 79:137:14962
Management of Hazardous Waste Using Regional Concepts, Richard A. Gardner and Mahlon B. White, EE80:July 80:453
MAPS - Developing a Water Resources Screening Tool, Thomas M. Walski, CP80:June 80:341
Moreton Region Non-Urban Land Use Study, Robert Cormack, ASDC:80:233
National Commission on Air Quality, Katherine Cudlipp, CAAA:Nov 79:396
The New OBERS Projections, Henry L. DeGraff, EFHYF:Mar 79:93
Planning and Engineering Requirements For A Land Data System, Gunther Greulich, SU80:June 80:42
Planning for Beach Restoration in South Florida, Thomas J. Campbell, Richard Spadoni, Kim Beachler and John Morgan, Preprint No.80-670, Oct 80, 8pp.
A Planning Procedure for the East Everglades, Narendra Juneja, CZ80:Nov 80:1574
Port Planning and Economic Development, Daniel P. O'Halloran, PO80:May 80:47
Principles & Techniques for Special Area Management: The Grays Harbor & Coos Bay Experience, Gordon E. Davis, CZ80:Nov 80:761
The Puget Sound Air Quality Planning Process, Brent Carson and Max S. Power, CAAA:Nov 79: 382
Quantifying Hazards Information for Lifelines, Jeanne B. Perkins, C080:80:34
Regionalization: Where Are We Now in Palm Beach County, Richard D. Stalker, Preprint No.80-67, Oct 80, 13pp.
Regional Paratransit Services: An Evaluation, John Collura and Robert P. Warren, TE6:Nov 79:683: 14969
Regional Planning for the Urban Waterfront, John R. Weingart, CZ80:Nov 80:286
Regional Water Programs in North Carolina, Jon A. Arnold, EE2:Apr 79:183:14524
RMLR: What It Means to the Civil Engineer, Joel N. Orr, SU80:June 80:229
Science and Plans: California's Wetlands, Christopher P. Onuf, CZ80:Nov 80:1858
Seismic Zonation in the San Francisco Bay Region, Earl E. Brabb, C080:80:54
Siting of Hazardous Waste Management Facilities, Dawn D. Roderique and Timothy D. Van Epp, EE80:July 80:320
Spatial and Demographic Data: A Unified Means for Predicting Urban Service System Performance, Robert M. Clark and Richard M. Males, SU80:June 80:142
The Transportation — Air Quality Planning Process, Gerard Soffian, John Filippelli and John C. Cosby, CAAA:Nov 79:126
Transportation System and Control Measure Analysis of Air Quality Alternatives — The Los Angeles Basin Experience, David D. Knight and James D. Kellar, CAAA:Nov 79:189
Virginia Ports Workshop, Carvel H. Blair, PO80:May 80:248
Water Quality Evaluation of Regional Wastewater Management, Barry J. Adams and Robert S. Gemmell, EE2:Apr 80:437:15362

Watershed Management: The California Experience, Chuck Watson, IRKB:July 80:1048
Water Supply Regionalization: A Critical Evaluation, Robert M. Clark, WR2:Sept 79:279:14842

Registration
Engineering-in-Traning Program: Alaska District, CoE, Kenneth E. Hitch and Dale A. Nelson, Preprint No.80-621, Oct 80, 8pp.
Engineering Registration Trends, Frederick H. Rogers, Sr., EI4:Oct 80:397:15777
Examinations for Registration, William J. Hanna, EI4:Oct 78:257:14076
Land Surveying Research Needs: The Next Decade, Roscoe B. Snedeker, SU1:Nov 79:85:14961
Professional Development in Iowa: 1979 Surveys, Robert D. Reckert, EI4:Oct 80:365:15765
Relicensure Requirements and Board Re-Evaluation, S. Russell Stearns, EI1:Jan 79:15:14332
Trends in Engineering Registration, Frederick H. Rogers, Sr., Preprint No.80-045, Apr 80, 12pp.
Trends in Engineer Registration—Sunset Review: How to Survive?, Donald A. Buzzell, Preprint No.80-508, Oct 80, 14pp.
1979 ASCE Salary Survey, Oscar R. George, Chmn., EI3:July 80:275:15568

Regression Analysis
Identification Of A Class Nonlinear Dynamic Systems, Sami F. Masri, George A. Bekey, Hassan Sassi and Thomas K. Caughey, EM81:Jan 81:794

Regression Models
Accuracy of Snowmelt Runoff Estimates, Mark E. Hawley, Richard H. McCuen and Albert Rango, IRKB:July 80:347

Regulation
Broad Area Searches for Hazardous Waste Disposal, Allen W. Hatheway, Pickett T. Simpson and John L. Splendore, EE80:July 80:329
Highway Safety Challenges of the 80's, Bennie Maffet, HW80:Mar 80:54
Identification and Nature of Risks—A, W. Stell Huie, CRLS:Jan 79:II-15
Minimizing Risks and Mitigating Losses—B, Franklin T. Matthias, CRLS:Jan 79:II-133
National Transportation Policies Through the Year 2000, John E. Wild, UT79A:July 79:173
New Tools for Resolving Conflicts in Port Planning, Edward J. Linky and Bruce H. Hoff, CZ80:Nov 80:881
Protecting Suisun Marsh — 85,000 Acres of Habitat, William J. Kockelman and Jeffry S. Blanchfield, CZ80:Nov 80:1138
The Regulation of Mine Waste Disposal, Bruce C. Vandre, IRKB:July 80:898
U.S. Energy Production—We Must Remove These Roadblocks, CE:Dec 79:66
Wetlands Regulations and Public Perceptions, Thomas M. Leschine and Stephen R. Cassella, CZ80:Nov 80:1789

Regulations
Alternatives for Standards and Regulations, Brian R. Mrazik and Richard W. Krimm, EFHYF:Mar 79:375
Archeological Resources, Planning, and Construction, Are Tsirk, CO1:Mar 79:79:14439
Attitude, Guidelines, and Technology in Plan Formulation, William K. Johnson, EFHYF:Mar 79:342
Barrier Beach Protection in Massachusetts, Stanley M. Humphries and Jeffrey R. Benoit, CZ80:Nov 80:1809
Boating: Challenged by Coastal Regulations, Susan H. Anderson, CZ80:Nov 80:104
Chlordane In Housing: An Example of Government Response to Indoor Air Quality Problems, Samuel Silberstein and Benigna S. Carroll, Preprint No.80-657, Oct 80, 11pp.
Coastal Siting of Hazardous Waterfront Facilities, Paul C. Golden, CZ80:Nov 80:562
Coastal Zone Intergration of State and Local Plans, Lowdon Wingo and James Fawcett, CZ80:Nov 80:2052
The Coast in Washington State, Charles H. Odegaard, CZ80:Nov 80:1354
Competition and Professional Ethics, Richard J. Favretto, EI3:July 79:137:14700
Consistency Review of OCS Acitvities Off California, Irwin D. Karp, CZ80:Nov 80:2103
Contractual Arrangements—D, Sammie D. Guy, CRLS:Jan 79:II-108
Department of Energy Interests in Coastal Siting of Energy Facilities, Emmet W. Turner, CZ80:Nov 80:402
Design for Erosion Loss Studies on Disturbed Lands, W. Russell Hamon and James V. Bonta, IRKB:July 80:27
Developments in Motor Vehicle Inspection/Maintenance, Thomas Cackette, Philip Lorang and David Hughes, CAAA:Nov 79:76
Drainage Design in a Riverine Floodplain System, Robert James Motchkavitz, HYUS:June 80:369
Drainage Design of the Tampa Palms Property, Robert James Motchkavitz, IRKA:July 80:150
Energy Research Needs and the Civil Engineer, CE:Oct 79:58
Environmental Planning for Transportation Systems, Richard B. Howell and Celia M. Howell, MGC:July 80:208
EPA Goes to BAT Against Toxic Industrial Wastewater, Michael J. Bartos, Jr., CE:Sept 79:87
EPA Launches Program to Control Hazardous Wastes, Eugene E. Dallaire, CE:Dec 78:39
Evaluation of Compliance Criteria for River Plumes, Pauly P. Paily, HYCO:Aug 80:142
Federal Consistency—Is It Working? A Perspective From the Pacific Northwest, Donald E. Lawyer, CZ80:Nov 80:2123
Federal Regulations and Professional Practice, Seymour S. Greenfield, EI4:Oct 79:219:14916
Flood Insurance Program: Regional Agency's Perspective, Stuart G. Walesh, WR2:Sept 79:243:14826
Identification and Nature of Risks in Construction Projects — A Contractor's Perspective, J. Joseph Casey, CRLS:Jan 79:I-17
Impact of Federal Highway Policy on County Road Programs, Robert A. Larson, TE1:Jan 79:23:14319
The Impact of Hydrocarbon Emission Controls on Marine Design, Joseph G. Zabaga, PO80:May 80:677
Industry Upgrades Technician Training, John P. Bachner, CE:Aug 79:62
Integration of Air Quality and Transportation Planning, Norman L. Cooper and John O. Hidinger, CAAA:Nov 79:56
Interagency Permit Review Lessons of Experience, Joseph S. LeGath and Robert L. Lippson, CZ80:Nov 80:1638
Intergovernmental Corrdination in North Carolina, Hubert Glenn T. Dunn and Charles W. Hollis, CZ80:Nov 80:2027
Legal Standard for Coastal Development Permission, Jonathan M. Davidson, CZ80:Nov 80:1341
A Local Endangered Species Program — Florida Manatee, *Trichechus manatus*, Diane D. Barile, CZ80:Nov 80:186
The Long Road to Regulatory Reform, CE:Mar 80:95
LOOP: Delivering Oil Where It's Needed, William B. Read, PO80:May 80:163
Managing Barrier Islands: Role of Local Government, Kent S. Butler, Kathryn N. Nichols and Ray Quay, CZ80:Nov 80:2036
Marine Sanctuaries, A Controversial Concept, John K. Cassell, CZ80:Nov 80:1959
Minimizing Risks and Mitigating Losses — A, G. S. Bates, CRLS:Jan 79:I-119
Minimizing Risks and Mitigating Losses—A, William Cullen, CRLS:Jan 79:II-127
Nuclear Facilities Siting, Paul Kruger, EE3:June 79:443:14615
Participation in Transportation — Air Quality Plans, Betty McCarty, CAAA:Nov 79:375

A Planning Procedure for the East Everglades, Narendra Juneja, CZ80:Nov 80:1574
A Practical Intergovernmental Coordination Program, Morgan R. Rees, CZ80:Nov 80:1984
Predicting Sediment Yield from Strip-Mined Land, Martin M. Fogel, Louis H. Hekman, Jr. and Lucien Duckstein, IRKB:July 80:176
Preserving Public Access: The Bay Experience, Nancy Wakeman Twiss, CZ80:Nov 80:1418
Public and Private Regulation of LNG Transport, Jonathan David Aronson and William Westermeyer, CZ80:Nov 80:589
Public Works Directors—Why Do Some Stand Out?, Philip V. Di Vietro, CE:Aug 80:68
RCRA Implementation and the Environmental Engineer's Role, John Lynch, EE80:July 80:199
Recent Safety Developments in Vehicles, King K. Mak, HW80:Mar 80:199
Regulation of Water Resources Planning, Robert Relyea and Yoram Gordon, Preprint No.80-676, Oct 80, 6pp.
Regulations Complicate Land Reclamation in the West, Ann E. Seltz-Petrash, CE:Sept 80:85
Regulations: More is Less, Ann E. Seltz-Petrash, CE: Sept 79:99
Scientific Collecting in South Florida: Problems with Permits, Eugene A. Shinn, CZ80:Nov 80:2017
Small Water Systems: Role of Technology, Robert M. Clark, EE1:Feb 80:19:15181
Statistical Analysis of Sediment Motions on Dunes, Che S. Hung and Hsieh Wen Shen, HY3:Mar 79: 213:14438
Surface-Mining Legislation and Regulation, Jerome P. Harper, EE1:Feb 80:145:15170
Two Approaches to Coastal Area Planning in Japan, Harvey A. Shapiro, CZ80:Nov 80:741
Urban Transport Issues: A World Bank Approach, Gabriel Roth, MGC:July 80:184
Weather Modification Operations: The Legal Considerations, Ray Jay Davis, IRKA:July 80:77
Working Within the Environmental Regulatory Process, Michael L. Barningham and Steven A. Ott, TE3:May 80:309:15423
The #53 Working Group: Local Participation in the Federal OCS Leasing Process, Ceila Lawren, CZ80: Nov 80:1087

Rehabilitation

Fire Management Planning in Southern California, Gary L. Boyle and Jim Retelas, IRKB:July 80:260
Fire Rehab in the Bend Municipal Watershed, Bruce P. McCammon and Dallas Hughes, IRKB:July 80: 252
Five Years of Sewer System Evaluation, Alberto F. Gutierrez and J. Harry Rowell, EE6:Dec 79:1149: 15039
How Top Officials Would Save Aging American Cities, CE:Nov 79:98
Management Systems for Pavement Maintenance, Fred N. Finn, TE4:July 79:457:14709
New Foundation System for Granite Seawall, Victor V. Calabretta and Peter Sullivan, PO80:May 80:807
Pavement Rehabilitation: Identifying the Need, Michael I. Darter and Mohamed Y. Shahin, TE1: Jan 80:1:15135
Range Treatment Effects on Infiltration Rates, John M. Tromble, IRKB:July 80:802
Riverbed Improves over Time: South Fork Salmon, Walter F. Megahan, William S. Platts and Bert Kulesza, IRKB:July 80:380
Safety Aspects of the Bridge Reconstruction and Rehabilitation Program, Rex C. Leathers, HW80: Mar 80:165
User Cost Analysis in Urban Freeway Rehabilitation, Timothy R. Neuman, TE6:Nov 79:623:14990

Reinforced Concretes

Aseismic 00320001 B_m d 28 Design Of A 31-Story Frame-Wall Building, Mark Fintel and S. K. Ghosh, EM81:Jan 81:874
Combined Torsion, Bending, and Shear on L-Beams, K. S. Rajagopalan, ST12:Dec 80:2475:15944
Effects of Fire on Reinforced Concrete Members, Bruce R. Ellingwood and James R. Shaver, ST11: Nov 80:2151:15802
Resistance Of Hardened Box-Type Structures, Theodor Krauthammer, EM81:Jan 81:713
Seismic Study Of Imperial County Services Building, Mehdi Saiidi, EM81:Jan 81:431

Reinforced Earth

Combined Vegetative-Structural Slope Stabilization, Donald H. Gray, Andrew T. Leiser and Charles A. White, CE:Jan 80:82
Design and Construction of Fabric Reinforced Embankments, Jack Fowler and T. Allan Haliburton, Preprint No.80-177, Apr 80, 30pp.
Design of Geotextile-Reinforced, Unpaved Roads, Jean-Pierre Giroud and Laure Noiray, Preprint No.80-177, Apr 80, 28pp.
Experiments on Soil Reinforcement with Geotextiles, Anastase Collios, Phillippe Delmas, Jean-Pierre Gourc and Jean-Pierre Giroud, Preprint No.80-177, Apr 80, 22pp.
Fabric Reinforcement Designed Against Pullout, William G. Salomone, E. Boutrup, Robert D. Holtz, William D. Kovacs and Charles D. Sutton, Preprint No.80-177, Apr 80, 14pp.
Future Advances in Soil Placement and Improvement, J. Richard Bell, GT1:Jan 78:1:13469
Introduction to Geotextiles for Soil Improvement, J. Richard Bell, Preprint No.80-177, Apr 80, 30pp.
Reinforced Earth Structures for Port Development, David P. McKittrick, PO80:May 80:786
Soil Movement in Geotextile Reinforced Roads, Thomas C. Kinney and Ernest J. Barenberg, Preprint No.80-177, Apr 80, 24pp.
Stress-Strain-Time Behavior of Geotextiles, Robert M. Koerner, Jack L. Rosenfarb, William W. Dougherty and John J. McElroy, Preprint No.80-177, Apr 80, 22pp.
Use of Fabrics to Reduce Stresses on Buried Culverts, Edward A. Nowatzki, Bal K. Sanan and Robert L. Sogge, Preprint No.80-177, Apr 80, 24pp.
101 Uses for Earth Reinforcement, Michael J. Bartos, Jr., CE:Jan 79:51

Reinforced Plastic Pipe

Reinforced Thermosetting Resin Pipe, B. Jay Schrock, Chmn., TE2:Mar 79:165:14450

Reinforcement

Concrete Reinforcing Net: Optimum Slip-Free Limit Design, Zdenek P. Bazant and Tatsuya Tsubaki, ST2:Feb 79:327:14344
Concrete Reinforcing Net: Safe Design, Zdenek P. Bazant, Tatsuya Tsubaki and Ted B. Belytschko, ST9:Sept 80:1899:15705
Field Study of Tunnel Prereinforcement, Gregory E. Korbin and Tor L. Brekke, GT8:Aug 78:1091: 13948
Local Flexural Strength of Slabs at Interior Columns, Hans Gesund and Harinatha B. Goli, ST5:May 80: 1063:15394
Skew Reinforcement in Slabs, Ajaya K. Gupta, TN: ST8:Aug 78:1317:13917
Slip-Dilatancy Model for Cracked Reinforced Concrete, Zdenek P. Bazant and Tatsuya Tsubaki, ST9:Sept 80:1947:15704
Tension Stiffening in Reinforced Concrete Slabs, R. Ian Gilbert and Robert F. Warner, ST12:Dec 78: 1885:14211
Threaded Rebars Spin Down Time, CE:Dec 79:76
Ultimate Steel Stresses in Unbonded Prestressed Concrete, Soussan Mojtahedi and William L. Gamble, TN: ST7:July 78:1159:13868

Reinforcement (Structures)

Aseismic Reinforcement of Existing Building, Nicholas F. Forell and Guy J.P. Nordenson, ST9: Sept 80:1907:15700
Combined Torsion, Bending, and Shear on L-Beams, K. S. Rajagopalan, ST12:Dec 80:2475:15944

Partially Steel-Fiber Reinforced Mortar, Mohsen Mahmoudzadeh Rahimi and Clyde E. Kesler, ST1: Jan 79:101:14282
Quality Control of Cadweld (Mechanical) Splices, H. Randolph Thomas, Jr., CO3:Sept 79:201:14803
Variability of Mechanical Properties of Reinforcing Bars, Sher Ali Mirza and James G. MacGregor, ST5:May 79:921:14590

Reinforcing Steels
Biaxial Bending Simplified, Himat T. Solanki, TN: ST5:May 80:1198:15384
Concrete Beams with Small Opening under Torsion, M. Abdul Mansur and A. Hasnat, ST11:Nov 79: 2433:14970
Creep of Coated Reinforcing Bars in Concrete, James R. Clifton, Robert G. Mathey and Erik D. Anderson, ST10:Oct 79:1935:14911
Quality Control of Cadweld (Mechanical) Splices, H. Randolph Thomas, Jr., CO3:Sept 79:201:14803
Torsion of Reinforced Square Cylinder, You-Mong Kuo and Harry D. Conway, EM6:Dec 80:1341: 15921

Relative Density
SPT and Relative Density in Coarse Sands, William F. Marcuson, III and Wayne A. Bieganousky, GT11:Nov 77:1295:13350
Uncertainity Analysis of Relative Density, Achintya Haldar and Wilson H. Tang, TN: GT7:July 79:899: 14665

Relaxation (Mechanics)
Settlement-Induced Forces in Concrete Bridges, Alfred G. Bishara and Shih-Zong Jang, ST7:July 80:1423:15522
Thermodynamics of Solidifying or Melting Viscoelastic Material, Zdenek P. Bazant, EM6:Dec 79:933:15041

Reliability
Application of POA to Transshipment Terminals, A. T. Yu and Daniel Mahr, PO80:May 80:126
Approaches for Design against Progressive Collapse, Bruce R. Ellingwood and E. V. Leyendecker, ST3: Mar 78:413:13610
Damage Assessment of Existing Structures, James T.P. Yao, EM4:Aug 80:785:15653
Energy Research Needs and the Civil Engineer, CE: Oct 79:58
Failure Mode Correlation in Weakest-Link Systems, Robert Coffin Garson, ST8:Aug 80:1797:15634
First-Crossing of Second-Moment Variables, Daniele Veneziano, EM5:Oct 79:747:14904
Floating Terminal for Storage and Sendout of LNG, Gene Anspach, Robert Baseler and Rolf Glasfeld, PO80:May 80:296
New Index of Reliability, Daniele Veneziano, EM2: Apr 79:277:14515
Optimal Design of Culverts under Uncertainties, Larry W. Mays, HY5:May 79:443:14572
Optimal Estimation of Convolution Integrals, Mircea Grigoriu and Niels C. Lind, EM6:Dec 80:1349: 15940
Optimal Reliability Analysis by Fast Convolution, Niels C. Lind, EM3:June 79:447:14648
Optimum Design to Resist Earthquakes, Emilio Rosenblueth, EM1:Feb 79:159:14395
Optimum Expenditures in Seismic Design, Emilio Rosenblueth, EM1:Feb 79:177:14396
Practical Evaluation of Structural Reliability, Boris Bresler, John M. Hanson, C. D. Comartin and S. E. Thomasen, Preprint No.80-596, Oct 80, 10pp.
Probabilistic Modelling as Decision Making, Mircea Grigoriu, Daniele Veneziano and C. Allin Cornell, EM4:Aug 79:585:14736
Probabilistic Water Quality Control Policies, B. N. Lohani and N. C. Thanh, EE4:Aug 79:713:14761
Quadratic Limit States in Structural Reliability, Bernd Fiessler, Hans-Joachim Neumann and Rudiger Rackwitz, EM4:Aug 79:661:14739
Reliability Analysis of Highway Bridge Vehicle Loadings, Fred Moses, Preprint No.80-008, Apr 80, 22pp.
Reliability Analysis of Steel Beam-Columns, Bruce R. Ellingwood and Timothy A. Reinhold, TN: ST12: Dec 80:2560:15874
Reliability Analysis Under Stochastic Loads, Armen Der Kiureghian, ST2:Feb 80:411:15190
Reliability Based Criteria for Reinforced Concrete Design, Bruce R. Ellingwood, ST4:Apr 79:713: 14480
Reliability Considerations in Offshore Platform Criteria, Robert G. Bea, ST9:Sept 80:1835:15688
Reliability in Lifeline Earthquake Engineering, Kenneth W. Campbell, Ronald T. Eguchi and C. Martin Duke, TC2:Dec 79:259:15022
Reliability of Active Parallel Systems, Mircea Grigoriu, EY2:Aug 79:199:14740
Reliability of Current Reinforced Concrete Designs, Bruce R. Ellingwood, ST4:Apr 79:699:14479
Reliability of Existing Transmission Line Towers, John D. Mozer and John A Hribar, Preprint No.80-593, Oct 80, 15pp.
Risk Analysis for Hydraulic Design, Yeou-Koung Tung and Larry W. Mays, HY5:May 80:893:15419
Solution for Second-Moment Reliability Index, David B. Parkinson, EM5:Oct 78:1267:14094
Stochastic Nature of Building Live Loads, Ross B. Corotis and Victor Jaria, ST3:Mar 79:493:14441
Tables of Dimensionless Central Moments, Mircea Grigoriu, TN: EM6:Dec 80:1423:15871
Weibull Distributions and Extreme Wind Speeds, Emil Simiu and James J. Filliben, ST12:Dec 80: 2365:15909

Relief Valves
Energy-Dissipating Bypass for Hydroelectric Powerhouse, Edmund F. Goedde, Vsevolod G. Guins and Richard P. Strumpf, HY12:Dec 79:1487: 15070

Remote Sensing
Aerial Infrared Sensing Systems and Techniques, Fred A. Schmer and Darrell R. Hause, ASDC:80: 244
Airborne Laser Acquisition of Cross-Section Data, John G. Collins and William B. Krabill, AS80:Aug 80:175
Analysis of Landfills with Historic Airphotos, Thomas L. Erb, Warren R. Philipson, William L. Teng and Ta Liang, AS80:Aug 80:15
Applicability of Space Acquired Data for Water Resources Management, Vincent V. Salomonson, V. Ralph Algazi and Donald R. Wiesnet, EFHYF:Mar 79:125
Application of Landsat to the Inventory of Dams, Andrew R. Blystra and Raymond R. Dumas, AS80: Aug 80:54
Aquatic Plant Mapping by Remote Sensing, Lewis E. Link, Jr. and K. S. Long, ASDC:80:34
Coal, Wildlife and Remote Sensing, James R. Getter, ASDC:80:198
A Data Base System for Real Time Hydrologic Modeling, Robert M. Ragan and Jack D. Fellows, AS80:Aug 80:33
Effects of Dam Construction and Channelization on Deltaic Wetlands, Arthur R. Benton, Jr., ASDC:80: 183
Energy Loss Surveys Using Thermal IR Technology, Lewis E. Link, Jr., ASDC:80:259
Energy Loss Surveys Using Thermal IR Technology, Lewis E. Link, Jr., AS80:Aug 80:123
Field Study for Landsat Water Quality Verification, Donald Steven Graham and J. M. Hill, AS80:Aug 80:101
Hydrologic Telemetry from Remote Areas, Robert A. Halliday, ASDC:80:329
Issues in Mapping Atlantic Coastal Ecological Data, Paul R. Adamus, Thomas E. Bigford and James R. Hynson, CZ80:Nov 80:160
Landsat Data Use in Evaluating Nuclear Reactor Sites, Patrick J. Barosh, ASDC:80:383
Landsat Imagery for Hydrologic Modeling?, Richard S. Taylor, Robert P. Shubinski and T. S. George, AS80:Aug 80:44

Low-Investment Access to LANDSAT Digital Analysis, Roger G. Anderson and Elaine I. Marinello, CP80:June 80:37
Materials Availability Study of the Dickey-Lincoln Dam Site, Carolyn J. Merry, Harlan L. McKim and Edwin A. Blackey, Jr., ASDC:80:158
Mini-Format Remote Sensing for Civil Engineering, Olin W. Mintzer and Dennis Spragg, TE6:Nov 78: 847:14154
Monitoring Aquatic Plants in Reservoirs, Arthur R. Benton, Jr., Carolyn A. Clark and Wallace W. Snell, TE4:July 80:453:15551
Monitoring Noxious Plant Spread in Reservoirs, Arthur R. Benton, Jr., ASDC:80:21
The National Cartographic Information Center an Assist in Finding Remotely Sensed Data, Alan R. Stevens, AS80:Aug 80:183
An Operational Data Acquisition System Using Meteor Burst Technology, Manes Barton and Michael Burke, ASDC:80:346
Photobathymetry, James Collins, ASDC:80:82
Profile Soil Moisture from Surface Measurements, Thomas J. Jackson, IR2:June 80:81:15474
Quantitative Chlorophyll Mapping Using Ultra-Narrow Band Airborne Photography (Abstract), Edward Wedler, AS80:Aug 80:53
Real-Time Data Collection Via Satellite for Water Management, William G. Shope and Richard W. Paulson, Preprint No.80-561, Oct 80, 14pp.
Remotely Sensed Crop Temperatures and Reflectances as Inputs to Irrigation Scheduling, R. D. Jackson, S. B. Idso, R. J. Reginato and P. J. Pinter, Jr., IRKA:July 80:390
Remote Sensing and Mine Subsidence, Orville R. Russell, Roger V. Amato and Thomas V. Leshendok, TE2:Mar 79:185:14467
Remote Sensing for Tunnel Siting Studies, Orville R. Russell, Dennis T. Stanczuk and John R. Everett, TE5:Sept 80:523:15676
Remote Sensing for Water Resource Surveys, R. H. Kinsey, ASDC:80:55
Remote Sensing in Archaeological Sampling Designs, Robert C. Dunnell, TE3:May 80:349:15428
Remote Sensing Sensors for Environmental Studies, B. Sen Mathur, TE4:July 79:439:14707
Remote Sensing Study of Sinkhole Occurrence, Jay W. Casper, Byron E. Ruth and Janet D. Degner, AS80:Aug 80:1
Remote Sensing that Motivated Community Action, Roland H. Brownlee, James P. Scherz and James M. Dennis, AS80:Aug 80:60
River Murray Flooding, D. T. Curry and D. J. Dole, ASDC:80:41
Runoff Synthesis Using Landsat and SCS Model, Robert M. Ragan and Thomas J. Jackson, HY5: May 80:667:15387
Sanitary Landfill Site Selection by Remote Sensing, Jerry R. Rogers, William J. Graff, Larry J. Stone, C. H. Tsen and S. S. Yang, ASDC:80:92
Sanitary Landfill Site Selection by Remote Sensing, Byron E. Ruth, Janet D. Degner and Harold K. Brooks, TE6:Nov 80:661:15835
Satellite Microwave Remote Sensing of Hurricanes, W. Linwood Jones, Peter G. Black and John C. Wilkerson, Preprint No.80-642, Oct 80, 14pp.
Satellites as Aid to Water Resource Managers, David F. McGinnis, Jr., Roderick A. Scofield, Stanley R. Schneider and Craig P. Berg, WR1:Mar 80:1:15244
Session III—Meteorology and Hydrology, Roger A. Amisial, EFHYF:Mar 79:419
Snow-Covered Area Utilization in Runoff Forecasts, Albert Rango, Jack F. Hannaford, Michael Rosenzweig and A. Jean Brown, HY1:Jan 79:53: 14326
Spatial Simulation of Snow Processes, Anton G. Thomsen and W. David Striffler, IRKB:July 80:326
Subdivision of Rural Land and Recreational Area Development—Eildon Reservoir, Bruce Kenneth Willersdorf, ASDC:80:150
Subsurface Coal Refuse Bank Fire Delineation, Ronald W. Stingelin, ASDC:80:268
Surface Temperature Mapping by NOAA-5 Satellite, Siamak Khorram and H. Gregory Smith, ASDC:80: 286
Surface Water Inventory through Satellite Sensing, Srinivasan Thiruvengadachari, Pavuluri Subba Rao and Keshavamurthi Ramachandra Rao, WR2:July 80:493:15563
Use of Digital Terrain Data in Topographic Analysis, Siamak Khorram and H. Gregory Smith, ASDC:80: 368
WAMS: A Computer-Based Mapping and Data Base Management System, Harry A. Niedzwaiadek and George R. Hoffman, ASDC:80:359
Water Control Difficulties Through Flooded Lakes Systems, Donald John Blackmore, ASDC:80:69
Whither Satellite Remote Sensing—II?, Kneeland A. Godfrey, Jr., CE:Apr 80:63

Renovating

Renovation of New York Harbor, Theodore Civetta, Jr. and Philip C. Sears, CZ80:Nov 80:898

Repairing

Banding for Structural Repair at Timber Connectors, R. Richard Avent, Leroy Z. Emkin and Paul H. Sanders, ST1:Jan 80:87:15126
Epoxy Repair of Timber — Paradox or Panacea?, R. Richard Avent, Preprint No.80-560, Oct 80, 14pp.

Repeated Loading

Embedment Anchors Subjected to Repeated Loading, Andreas Andreadis, Roger C. Harvey and Eldon Burley, TN: GT7:July 78:1033:13867
Fatigue Experiments on Composite Slab Floors, Murray C. Temple and George Abdel-Sayed, ST7: July 79:1435:14676
Repeated Loading on Single Piles in Sand, Sin-Fatt Chan and Thomas H. Hanna, GT2:Feb 80:171: 15222

Reporting

Weather Modification Operations: The Legal Considerations, Ray Jay Davis, IRKA:July 80:77

Reports

Manpower Management - A Data Base Application, Edward W. Fishback, Jr., CP80:June 80:651
Peer Accountability for Rationale of Impact Statements, David A. Bella, EI3:July 78:203:13906
Selected Areas of Aerospace Technical Applications to Civil Engineering, Allen F. Flanders, Chmn., TE3:May 79:223:14563

Research

Air Terminal Design: Decentralization and Shape, John P. Braaksma and W. Alex Ramsay, TE6:Nov 79:699:14945
Autostress Design of Steel Bridges, Geerhard Haaijer, Phillip S. Carskaddan and M. A. Grubb, Preprint No.80-519, Oct 80, 14pp.
Barrier Island Sedimentation Studies Program, Edward Meisburger, Leita J. Hulmes, Edward B. Hands, S. Jeffress Williams, Craig H. Everts, Dennis A. Prins, Richard D. Hobson and Kenneth Finkelstein, CZ80:Nov 80:810
California Impacts of World Ocean Decisions, Robert L. Friedheim and Robert E. Bowen, CZ80:Nov 80: 980
Consulting Engineering Graduate Education, Lloyd H. Ketchum, Jr., EI4:Oct 79:197:14889
Doppler Satellite Surveying System, Larry D. Hothem, William E. Strange and Madeline White, SU1:Nov 78:79:14132
Effective Water Research Programs, Leo R. Beard, WR2:July 80:409:15530
End Restraint and Column Stability, Wai F. Chen, ST11:Nov 80:2279:15796
Energy Research Needs and the Civil Engineer, CE: Oct 79:58
Environmental Engineering Research Needs, CE:Oct 79:63
Hydrologic/Economic Systems in Watershed Research, David G. Carvey and James G. Robb, IRKB:July 80:1036
Important Research Needs in Wood-As A Structural Material, James R. Goodman, Chmn., ST10:Oct 79: 2069:14893

Interdisciplinary Research and Environmental Management, David A. Bella and Kenneth J. Williamson, EI3:July 78:193:13860
Management of U.S. Water Research, Neil S. Grigg, WR1:Mar 80:143:15270
Managing Snowpack Augmentation Research, Olin H. Foehner, IRKA:July 80:85
Oxygen Transfer Standard—Basin Geometry and Mixing (Abstract), Thomas C. Rooney and Ronald N. Salzman, EE80:July 80:94
Research in Japanese Construction Industry, Boyd C. Paulson, Jr., CO1:Mar 80:1:15237
Research Needs in Hydraulics, Coastal Engineering and Irrigation, CE:Apr 80:83
Research Needs in Lifeline Earthquake Engineering, Irving J. Oppenheim, Chmn., TC2:Dec 79:343: 15089
Research Needs in Stability of Metal Structures, Reidar Bjorhovde, ST12:Dec 80:2425:15926
Research Needs in Structural Engineering, CE:Dec 79:61
Safety Studies Related to RRR Projects, Charles P. Brinkman, Preprint No.80-607, Oct 80, 10pp.
Surveying and Mapping Research 1978-1988: An Overview, Morris M. Thompson, SU1:Nov 79:43: 14957
Tensile Strength of Concrete: Double-Punch Test, Wai F. Chen and Robert L. Yuan, ST8:Aug 80: 1673:15593
Urban Runoff Quality: Information Needs, Michael B. Sonnen, TC1:Aug 80:29:15611
Water Resources Implications of Energy Development, Jeffrey S. Mahan and Jay D. White, EY1:Apr 80:45:15366

Research and Development

Aerospace Technology for Freight Pipelines, Henry Liu and Donald L. Gibson, MGC:July 80:97
Highway Safety Research and Implementation, Edwin M. Wood, HW80:Mar 80:207
Ontario Writes New Bridge Code, Michael J. Bartos, Jr., CE:Mar 79:56

Research Management

Barrier Island Sedimentation Studies Program, Edward Meisburger, Leita J. Hulmes, Edward B. Hands, S. Jeffress Williams, Craig H. Everts, Dennis A. Prins, Richard D. Hobson and Kenneth Finkelstein, CZ80:Nov 80:810
Problems Facing Alaska Outer Continental Shelf Resource Development, Robert J. Brock, Raymond R. Emerson and Gordon M. Euler, CZ80:Nov 80: 1112
Regional Coastal Zone Management Coordination: Dealing with Coastal Flooding on New England, Steven L. Colman, CZ80:Nov 80:1216

Resection

Wetland Surveying and Mapping, Carvel H. Blair, SU1:Nov 79:23:14953

Reserves

Strategic Petroleum Reserves: Billion Dollar Project to Provide Energy Security for U.S., Part 1 and 2, Ann E. Seltz-Petrash, CE:Aug 80:41

Reservoir Design

Hydrologic Generating Model Selection, Keith William Hipel, Edward A. McBean and Angus Ian McLeod, WR2:Sept 79:223:14817

Reservoir Operation

Synthetic Hydrologic Information - A Case Study, Krishan P. Singh, HY10:Oct 79:1257:14922

Reservoir Performance

The California Drought—Its Effect on Runoff Forecasting For Power Generation, Gary J. Freeman, EFHYF:Mar 79:266
Water Supply Forecasting in California - 1976-78, Charles H. Howard, EFHYF:Mar 79:285

Reservoirs

Accuracy of Harbeck Diagram for Forced Evaporation, George H. Ward, Jr., EY1:Apr 80:23: 15309
Biological Contamination of Finished Water Reservoirs, J. Sykora, Maurice A. Shapiro and G. Keleti, EE80:July 80:267
Boundary Element Analysis Of Reservoir Vibration, Jagmohan L. Humar and Youssef G. Hanna, EM81:Jan 81:461
The California Drought—Its Effect on Runoff Forecasting For Power Generation, Gary J. Freeman, EFHYF:Mar 79:266
Collie River Underflow into the Wellington Reservoir, Bob Hebbert, Jorg Imberger, Ian Loh and John Patterson, HY5:May 79:533:14593
A Design Model for Sediment Control on Mined Lands, Billy J. Barfield, L. G. Wells, B. Wilson, John S. Tapp and R. A. Uhl, IRKB:July 80:628
Dispersion in Rivers as Related to Storage Zones, George V. Sabol and Carl F. Nordin, Jr., HY5:May 78:695:13758
Downstream Effects of Stormwater Management Basins, Richard H. McCuen, HY11:Nov 79:1343: 14977
Economic Model for Reservoir Planning, Nancy Young Moore and William W-G. Yeh, WR2:July 80:383:15520
Expanded Polystyrene Spheres as Evaporation Suppressors, Tariq A. Mahmoud and Natiq K. Bashi, IR3:Sept 80:163:15689
Forced Plumes in a Stratified Reservoir, Brian Henderson-Sellers, HY4:Apr 78:13658
Lake Process Models Applied to Reservoir Management, Wesley L. Bradford and David J. Maiero, EE5:Oct 78:981:14100
Linear Reservoirs and Numerical Diffusion, Victor Miguel Ponce, HY5:May 80:691:15393
Locating Reservoirs with Landsat: "A Texas Example", E. Charles Palmer, Samuel D. McCulloch and A. E. Richardson, ASDC:80:11
Mapping Little Blue Run Impoundment Project, Roger C. Poe and Dennis W. Okorn, SU1:Nov 79: 51:14958
Mathematical Modeling of Sediment Deposition in Reservoirs, Yung Hai Chen, Jose L. Lopez and Everett V. Richardson, HY12:Dec 78:1605:14250
Modeling Reservoir System With Pumped Storage, George F. McMahon, Vernon R. Bonner and Bill S. Eichert, WR1:Mar 80:239:15248
Monitoring Noxious Plant Spread in Reservoirs, Arthur R. Benton, Jr., ASDC:80:21
Multiple Objectives in Reservoir Operation, George W. Tauxe, Dean M. Mades and Robert R. Inman, WR1:Mar 80:225:15240
Optimum Spillway Breadth for Gravity Dams, John M. Townson, HY3:Mar 80:409:15254
Real-Time Hourly Reservoir Operation, William W-G. Yeh, Leonard Becker and Wen-Sen Chu, WR2: Sept 79:187:14813
Reservoir-Aquifer Interaction, Zachary M. Kasomekera and James N. Luthin, IRKA:July 80: 120
Reservoir Metalimnion Oxygen Demands, John A. Gordon and Basil A. Skelton, EE6:Dec 77:1001: 13437
Stormwater and Reclaimed Effluent in Trickle Irrigation, Gideon Oron, Gedaliah Shelef and Benjamin Zur, IR4:Dec 80:299:15906
Surface Water Inventory through Satellite Sensing, Srinivasan Thiruvengadachari, Pavuluri Subba Rao and Keshavamurthi Ramachandra Rao, WR2:July 80:493:15563
Transient Reservoir-Aquifer Interaction, Antonis D. Koussis, HY6:June 79:637:14630
Trophic State of LaFarge Reservoir, John R. Kiefer, EE6:Dec 79:1095:15040
TVA's Pumped Storage Plant, CE:June 80:84

Reservoir Sedimentation

Sedimentation in Iron Gates Reservoir on the Danube, Vlad Focsa, HY10:Oct 80:1659:15782

Reservoir Sites
Locating Reservoirs with Landsat: "A Texas Example", E. Charles Palmer, Samuel D. McCulloch and A. E. Richardson, ASDC:80:11

Reservoir Storage
BPA Hydrologic Forecasting Considerations and Action During the 1976-77 Drought, William R. Gordon, C. H. Watkins and R. C. Lamb, EFHYF: Mar 79:274

Residences
Assessment of Expansive Soils in the United States, James P. Krohn and James E. Slosson, SLS:June 80:596
Creep Damage to Structures on Expansive Clay Slopes, Robert L. Lytton and Larry D. Dyke, SLS: June 80:284
Drainage Design of the Tampa Palms Property, Robert James Motchkavitz, IRKA:July 80:150

Residential Density
Residential Site Planning and Perceived Densities, Peter G. Flachsbart, UP2:Nov 79:103:14948

Residential Location
The Coastal Land Development Process: Developer's Plights, Valinda Parker and Kent S. Butler, CZ80: Nov 80:1010
Drainage Design in a Riverine Floodplain System, Robert James Motchkavitz, HYUS:June 80:369

Residential Streets
Neighborhood Traffic Controls, Martin E. Lipinski, TE3:May 79:213:14558

Residual Shear Strength
Landslide in Claystone Derived Soil, Archie M. Richardson, GT7:July 79:857:14683

Residual Stress
Analysis of Fabricated Tubular Columns, Shouji Toma and Wai F. Chen, ST11:Nov 79:2343:14994
Comparative Study of Residual Stress Effects on Failure Loads of Welded Circular Tubes, Wendelin Barrett, W. H. Mueller and Hacik Erzurumlu, Preprint No.80-112, Apr 80, 20pp.
Fabricated Tubular Steel Columns, David A. Ross, Wai F. Chen and Lambert Tall, ST1:Jan 80:265: 15122

Resilience
Resilient Properties of Subgrade Soils, Marshall R. Thompson and Quentin L. Robnett, TE1:Jan 79:71: 14293

Resins
Mathematical Modeling of the Displacement of Preadsorbed Organics in Fixed-Bed Adsorbers, John C. Crittenden, Bryant W.C. Wong, William E. Thacker, Vernon L. Snoeyink and Richard L. Hinrichs, EE80:July 80:274
Reinforced Thermosetting Resin Pipe, B. Jay Schrock, Chmn., TE2:Mar 79:165:14450

Resistance
Reliability Analysis of Steel Beam-Columns, Bruce R. Ellingwood and Timothy A. Reinhold, TN: ST12: Dec 80:2560:15874
Resistance Of Hardened Box-Type Structures, Theodor Krauthammer, EM81:Jan 81:713

Resistance Coefficients
Composite Beam Criteria in LRFD, William Charles Hansell, Theodore V. Galambos, Mayasandra K. Ravindra and Ivan M. Viest, ST9:Sept 78:1409: 14005
Load and Resistance Factor Design Criteria for Connectors, John W. Fisher, Theodore V. Galambos, Geoffrey L. Kulak and Mayasandra K. Ravindra, ST9:Sept 78:1427:14017
Load and Resistance Factor Design for Steel, Mayasandra K. Ravindra and Theodore V. Galambos, ST9:Sept 78:1337:14008
LRFD Criteria for Steel Beam-Columns, Reidar Bjorhovde, Theodore V. Galambos and Mayasandra K. Ravindra, ST9:Sept 78:1371:14016
A Model Structure for Stream Systems, John B. Stall, HYCO:Aug 80:98
Perforated Plates as Hydraulic Energy Dissipators, James Paul Tullis, James J. Powers, III, Paul F. Shiers and Whitney W. Hall, HYCO:Aug 80:62
Some Paradoxes in the History of Hydraulics, Hunter Rouse, HY6:June 80:1077:15475

Resonance Tests
Sample Disturbance and Stress-Strain Behavior, Vincent P. Drnevich and Karl Rainer Massarsch, GT9:Sept 79:1001:14809

Resonators
Power from Waves Using Harbor Resonators, William James, WW1:Feb 80:99:15210

Resource Allocation
Development of New Features for Ices Project/1, Edmond T. Miresco, CP80:June 80:151
Improved Local Resource Allocation, Jack L. Jensen, UT79A:July 79:179
Improved Resource Allocation, State & Federal: How Federal Transit Aid Influences Local Decisions, Jay R. Cherlow, UT79A:July 79:200
Simulation of Repetitive-Unit Construction, David B. Ashley, CO2:June 80:185:15495

Resource Conservation
The Impacts of the Resource Conservation and Recovery Act on Wood Fired Energy Systems, Hugh T. Carson and Dennis W. Weeter, EE80:July 80:508
Preservation of Historic Sites During Construction, Ward F. Weakly, CO3:Sept 80:351:15690

Resources
Access to Coastal Resources: The Access Concept Comes of Age, William W. Dreyfoos, CZ80:Nov 80:1719

Response Blocking
Ethical Considerations in Computer Use, Charles F. Beck, Chmn., TC2:Dec 79:415:15056

Responses
Analysis of Earth Dam Response to Earthquakes, Ahmed M. Abdel-Ghaffar and Ronald F. Scott, GT12:Dec 79:1379:15033
Analysis of Soil Response with Different Plasticity Models, E. Mizuno and Wai F. Chen, Preprint No.80-637, Oct 80, 14pp.
A Baseflow Simulation Model, Susan E. Hogg, Anton G. Thompson and W. David Striffler, IRKB:July 80:755
Calibration of Numerical Model for Harbor Waves, Herman Bomze, HYCO:Aug 80:441
Circular Beam on Elastic Foundation, Dimitrios E. Panayotounakos and Pericles S. Theocaris, EM5: Oct 79:839:14891
Compaction of Dry or Fluid-Filled Porous Materials, Michael M. Carroll, EM5:Oct 80:969:15773
Design of a Test to Study Salinity Response in a Major Estuarine System to Major Storm Inflow, David Fenwick Bastian, HYUS:June 80:134
Earthquake and Wave Design Criteria for Offshore Platforms, Robert G. Bea, ST2:Feb 79:401:14387
Earthquake Response of Offshore Platforms, Robert G. Bea, Jean M.E. Audibert and M. Radwan Akky, ST2:Feb 79:377:14386
Elastic-Plastic Seismic Response of Chimney, Le-Chung Shiau and Henry T.Y. Yang, ST4:Apr 80: 791:15325
Finite Response of Inelastic RC Structures, Siegfried M. Holzer, Arnold E. Somers, Jr. and Joel C. Bradshaw, ST1:Jan 79:17:14303
Fire Response of Reinforced Concrete Slabs, Zuhayr Nizamuddin and Boris Bresler, ST8:Aug 79:1653: 14784
Foundation Response Caused by Disturbance of Clay, Richard P. Weber, GT5:May 78:583:13765

Foundation Response to Soil Transmitted Loads, Satya Narayan Varadhi and Surendra K. Saxena, GT10:Oct 80:1121:15763
Inelastic Section Response by Tangent Stiffness, Clifford O. Hays, Jr. and T. K. Santhanam, ST7: July 79:1241:14668
Lay Effect of Wire Rope, George A. Costello and Robert A. Miller, EM4:Aug 79:597:14753
Load Response of Transportation Support Systems, Lutfi Raad and Jose L. Figueroa, TE1:Jan 80:111: 15146
Nonlinear Analysis of Steel Frames, Richard B. Klein and Fred W. Beaufait, CP80:June 80:172
Nonlinear Material Models for Fabric, Rene B. Testa and Norris Stubbs, CP80:June 80:195
Probabilistic Site-Dependent Response Spectra, Anne S. Kiremidjian and Haresh C. Shah, ST1:Jan 80:69: 15110
Response of Layer to Strike-Slip Vertical Fault, Marijan Dravinski and Mihailo D. Trifunac, EM4: Aug 80:609:15610
Response to a Changing Coastal Environment, Kenneth C. Caldwell, CZ80:Nov 80:1228
Riparian Response to Certain Grazing Management, John C. Buckhouse, IRKB:July 80:573
Seismic Analysis of Fossil-Fuel Boiler Structures, T. Y. Yang and M. I. Baig, ST12:Dec 79:2511:15063
Seismic Response of Uplifting Building Frame, Arthur A. Huckelbridge, Jr. and Ray W. Clough, ST8:Aug 78:1211:13974
Seismic Responses of Flexible Piles, Takaaki Kagawa and Leland M. Kraft, Jr., GT8:Aug 80:899:15656
Shaking Table Earthquake Response of Steel Frame, David T. Tang and Ray W. Clough, ST1:Jan 79: 221:14324
Shear Moduli and Damping Factors of Earth Dam, Ahmed M. Abdel-Ghaffar and Ronald F. Scott, GT12:Dec 79:1405:15034
Static Response of Reduced Rotation Rope, George A. Costello and Robert E. Miller, EM4:Aug 80: 623:15612
Stationary Response Of Structures With Closely Spaced Modes, Armen Der Kiureghian, EM81:Jan 81:492
Steady-State Response of Thick Rectangular Plates, K. T. Sundara Raja Iyengar and P. V. Raman, TN: EM4:Aug 80:842:15589
Structural Response of R/C Slabs to Tornado Missiles, Peter M. McMahon, Subir K. Sen, Bernard L. Meyers and Kenneth P. Buchert, ST3: Mar 79:547:14443
Structural Response to Stationary Excitation, Armen Der Kiureghian, EM6:Dec 80:1195:15898
Transient Response of Long Structural Members, David Hsu and Walter Pilkey, TN: EM4:Aug 80: 836:15589
Wind Effects on Cooling-Tower Shells, Hans-Jurgen Niemann, ST3:Mar 80:643:15251

Response Time

Nonstationary Risk Model with Geophysical Input, Jean B. Savy, Haresh C. Shah and David Boore, ST1:Jan 80:145:15115

Responsibilities

Graduating Engineers: 1930/1980, Philip V. Di Vietro, CE:Oct 80:126
Summary Session—C, John P. Jellico, CRLS:Jan 79: II-184

Responsibility

Ethical Considerations in Computer Use, Charles F. Beck, Chmn., TC2:Dec 79:415:15056
The Ethics of Maintaining Continued Professional Competence, John S. Bruce, EI2:Apr 79:85:14545
Evaluation of Owner Comments on Specifications, Edward R. Fisk, CO4:Dec 80:469:15875
Reliability of Computer-Aided Design, Kolbjorn Saether, Harold R. Sandberg and Charles F. Beck, TC2:Dec 79:371:15069
Responding to the Challenges of Engineering Practice, Adolph J. Ackerman, EI2:Apr 80:137: 15374

Restraint Systems

Behavioral Study of Circular Tubular Beam-Columns, Donald R. Sherman, Hacik Erzurumlu and Wendelin H. Mueller, ST6:June 79:1055:14627
Grid on Elastic Foundation with Rotational Restraints, M. A. Kassem, F. M. El-Amin and L. Greimann, TN: ST7:July 80:1645:15517
Seismic Support: Speedy Determination of Frequency, Anil K. Kar, ST7:July 79:1289:14672

Retaining Walls

Applications of Slurry Walls in Civil Engineering, Safdar A. Gill, CO2:June 80:155:15479
Earthquake-Induced Lateral Soil Pressures on Structures, Hagop N. Nazarian and Asadour H. Hadjian, GT9:Sept 79:1049:14805
Minimizing Foundation Swell Potential in Yazoo Clay, James E. Laier and Joseph H. Lamar, SLS: June 80:421
Reinforced Earth Structures for Port Development, David P. McKittrick, PO80:May 80:786
Retainining Wall Performance during Backfilling, Terrence S. Ingold, GT5:May 79:613:14580
Rock Anchor System for Securing Failing Wall, Peter J. Nicholson, TE2:Mar 79:199:14434
Seismic Behavior of Gravity Retaining Walls, Rowland Richards, Jr. and David G. Elms, GT4: Apr 79:449:14496
Simplified Passive Earth Pressure Analysis, Prabir K. Basudhar and Madhira R. Madhav, TN: GT4:Apr 80:470:15304
Structural Computer Office Practice, S. B. Vora and Lin Y. Huang, CP80:June 80:604
Zero-Extension Line Theory of Dynamic Passive Pressure, Arsalan Ghahramani and Samuel P. Clemence, GT6:June 80:631:15489

Retention

Detention/Retention Stormwater Designs, Harvey H. Harper, Claude L. Cassagnol and Martin P. Wanielista, Preprint No.80-599, Oct 80, 11pp.
Drainage Design in a Riverine Floodplain System, Robert James Motchkavitz, HYUS:June 80:369

Retention Dams

Retention/Detention Basins in Coastal Areas, A. B. Pennell, HYUS:June 80:299

Retrofitting

Evaluations of Fracture of Lafayette Street Bridge, John W. Fisher, Alan W. Pense and Richard Roberts, ST7:July 77:1339:13059

Return Flow

Developing Optimal River Basin Solutions for Alleviating Environmental Impacts from Irrigated Agriculture, Wynn R. Walker and Gaylord V. Skogerboe, IRKA:July 80:228
Irrigation Management for River-Salinity Control, J. Paul Riley and Jerome J. Jurinak, IR4:Dec 79:419: 15023
Multimillion-Acre Tea Bag, George Svenson, CE:Feb 80:47
Sediment Removal With Vegetal Filters, Clarence W. Robison and Charles E. Brockway, IRKA:July 80: 422
Water and Salt Transfers in an Irrigation District, Martin Oosterveld and Jack M. Carefoot, IR2:June 79:197:14646

Revegetation

Gabions: Economical, Environmentally Compatible Erosion Control, Max A. Burroughs, CE:Jan 79:58
Phosphate Mine Dump Stability and Revegetation, Eugene E. Farmer and Bland Z. Richardson, IRKB: July 80:888

Revenues

Conference Summary, George R. Beetle, UT79A:July 79:1
Direct Cost/Revenue Shortfalls in Transportation, S. David Phraner and Victor Gulewicz, UT79A:July 79:60

Efficiency Through Pricing in Urban Transportation, William S. Vickrey, UT79A:July 79:120
Existing Revenue Sources, Charles A. Krouse, UT79A:July 79:45
Pollution Externalities—Who Pays?, Michael W. Christensen, CZ80:Nov 80:320
Pricing and Revenue Yield, William H. Crowell, UT79A:July 79:144
Problems and Options in Financing Urban Transportation, Paul K. Dygert and James M. Holec, UT79A:July 79:220
State Airport Planning and Financing, Owen Miyamoto, MGC:July 80:14
Virginia Vehicle-Related Revenue Forecasts, Antoine G. Hobeika, Frank Tamberrino, Apisak Boonpuan and Harvey Goldstein, TE1:Jan 80:43:15143

Reverse Osmosis
Alternatives for Reducing Nitrate in Municipal Supplies at McFarland, Calif., Gerald A. Guter and Ernest Kartinen, Jr., EE80:July 80:520
Fluoride, Nitrate, Arsenic, and Selenium Removal From Small Community Water Supplies, Dennis Clifford, Maheyar Bilimoria, Gurinder Singh and Tom Sorg, EE80:July 80:514
Judiciously Planned Bench Scale Studies are Extremely Valuable in AWT Process Selection, Madan L. Arora, Margaret J. Bliss and Ken M. Trompeter, EE80:July 80:100
Occurence of Organic Compounds and Removal by AWT Processes, Kip Kuchon, EE80:July 80:612
Organics in Water—An Engineering Challenge, Perry L. McCarty, EE1:Feb 80:1:15180

Revetments
Wharf Design in the Philippines, James Simpson and Estello C. Tumblod, WW4:Nov 79:375:14995

Reviewing
Journal-Paper Review Statistics, William F. Marcuson, III, Chmn., GT4:Apr 80:341:15369
New Perspectives on the Safety of Dams, Donald A. Giampaoli, EI3:July 80:265:15580

Reviews
Constitutive Models for Concrete Structures, Wai F. Chen and Edward C. Ting, EM1:Feb 80:1:15177
Peer Accountability for Rationale of Impact Statements, David A. Bella, EI3:July 78:203:13906
Risks and Liabilities in Engineering Practice, John P. Gnaedinger, Walter E. Hanson and Narbey Khachaturian, EI4:Oct 79:207:14920

Reward (Psychology)
Allocation of Risks — A Contractor's View, Norman A. Nadel, CRLS:Jan 79:1-61

Reynolds Number
Application of a Consistent Vortex Scaling Law, Eugene Chang, HYCO:Aug 80:272
San Francisco Ocean Outfall Port Valve Development, Loring E. Hanson, Henry H.C. Lin, Allen L. Davis, John S. Readshaw and Robert T. Hudspeth, HYCO:Aug 80:51
Turbulence Measurements in Simulated Tidal Flow, Habib O. Anwar and Roy Atkins, HY8:Aug 80: 1273:15609

Rheological Properties
Interparticle Action and Rheology of Dispersive Clays, Raymond N.Y. Yong, Amar J. Sethi, Harald P. Ludwig and Mary A. Jorgensen, GT10:Oct 79: 1193:14903

Rheology
Rheology of Swelling Soils and Deformation Forecast, Abbas Ali ogly Mustafayev and G. D. Chigniev, SLS:June 80:760

Rhode Island
Designation of All Public Rights of Way to the Tidal Areas of Rhode Island, Joseph F. Turco, CZ80:Nov 80:1386
Local Assistance: A Problem in Translation, Stephen Olsen, CZ80:Nov 80:1510

Rice
Rain Water Management for Low Land Rice Cultivation in India, V. V. Dhruva Narayana, IR1: Mar 79:87:14430

Rice Plants
Rain Water Management for Low Land Rice Cultivation in India, V. V. Dhruva Narayana, IR1: Mar 79:87:14430

Right-Of-Way
Designation of All Public Rights of Way to the Tidal Areas of Rhode Island, Joseph F. Turco, CZ80:Nov 80:1386

Right of Way (Land)
Designation of All Public Rights of Way to the Tidal Areas of Rhode Island, Joseph F. Turco, CZ80:Nov 80:1386

Right of Way Acquisition
Problems and Possible Solutions for Pipeline Corridors in Developing Areas, Buckley L. Ogden, Preprint No.80-630, Oct 80, 9pp.

Rigid Frames
Approximate Analysis of Rigid Frames, John T. DeWolf, Preprint No.80-549, Oct 80, 12pp.
Dynamic Response of Pile-Supported Frame Foundations, Fakhry Aboul-Ella and Milos Novak, EM6:Dec 80:1215:15895
Elastic Instability of Unbraced Space Frames, Zia Razzaq and Moossa M. Naim, ST7:July 80:1389: 15535
Inelastic Response Spectra for Aseismic Building Design, Shih-Sheng P. Lai and John M. Biggs, ST6: June 80:1295:15482
Optimal Design for Stability under Multiple Loads, Hari K. Turner and Raymond H. Plaut, EM6:Dec 80:1365:15946
Slope-Deflection for Elastic-Viscoplastic Frames, Rong C. Shieh, EM6:Dec 79:953:15052
Stability Analysis of Cable-Stayed Rigid Frames, Chu-Kia Wang and Jon K. Stiller, ST11:Nov 79: 2383:15002

Rigidity
Prestressed Waffle Slab Bridges—Elastic Behavior, John B. Kennedy and Ibrahim S. El-Sebakhy, ST12: Dec 80:2443:15929
Torsion of Solid and Hollow Rectangular Beams, David J. Just and William J. Walley, ST9:Sept 79: 1789:14845

Rigid Pavement Design (Airfields)
Airfield Pavement Demonstration-Validation Study, Donald M. Arntzen, Ernest J. Barenberg and Robert J. Krause, TE6:Nov 80:721:15813

Rigid Pavements
Condition Evaluation of Jointed Concrete Airfield Pavement, Mohamed Y. Shahin, Michael I. Darter and Starr D. Kohn, TE4:July 80:381:15527

Rill Erosion
Dynamic Mathematical Modeling of Rill Erosion, Richard A. Rohlf and Michael E. Meadows, IRKB: July 80:13
Modeling Rill Density, Ruh-Ming Li, Victor Miguel Ponce and Daryl B. Simons, TN: IR1:Mar 80:63: 15230

Rings
Exact Analysis of Class of Ring Segments, James Ting-Shun Wang, EM4:Aug 78:871:13924
Nonsymmetrical Loadings on Pipe, Wayne Winter Smith, TE3:May 79:307:14584
Stresses in Floating Roofs, Howard I. Epstein and John R. Buzek, ST5:May 78:735:13740

Riot Control
Miami Riot—Will a Phoenix Rise from Ashes?, CE: Aug 80:76

Riparian Land
Determining Instream-Flow Needs on Public Lands, Mike Whittington and Bruce Van Haveren, IRKA: July 80:36
Effect of Out-Of-Basin Water Diversions on Instream Flow Needs, Wayne S. Gentry, IRKA:July 80:52

Riparian Rights
A Procedure for Evaluating Program Alternatives, Robert B. McDonald, CZ80:Nov 80:1768
Riparian Response to Certain Grazing Management, John C. Buckhouse, IRKB:July 80:573

Riparian Waters
Riparian Response to Certain Grazing Management, John C. Buckhouse, IRKB:July 80:573

Rip Currents
Finite Element Modeling of Nearshore Currents, Philip La-Fan Liu and Gerard P. Lennon, WW2: May 78:175:13719

Ripple Marks
Sand Bed Friction Factors for Oscillatory Flows, Philip Vitale, WW3:Aug 79:229:14754

Risk
Allocation of Risks — A, William S. Alldredge, CRLS:Jan 79:I-39
Allocation of Risks — A Contractor's View, Norman A. Nadel, CRLS:Jan 79:I-61
Allocation of Risks — B, Thomas R. Kuesel, CRLS: Jan 79:I-51
Alternatives for Standards and Regulations, Brian R. Mrazik and Richard W. Krimm, EFHYF:Mar 79: 375
Approximate Method for Quick Flood Plain Mapping, Roy F. Powell, L. Douglas James and D. Earl Jones, Jr., WR1:Mar 80:103:15243
The Coastal Land Development Process: Developer's Plights, Valinda Parker and Kent S. Butler, CZ80: Nov 80:1010
Concept to Commissioning: How Risky the Trip?, Chauncey E. Burtch, CRLS:Jan 79:I-7
Construction Risk: Who Pays?, Virginia Fairweather, CE:Apr 79:64
Development of Expectancy Maps and Risk Analysis, Neville C. Donovan, Bruce A. Bolt and Robert V. Whitman, ST8:Aug 78:1179:13972
Environmental Information From Sediments, David P. Adam, EFHYF:Mar 79:206
Executive Summary, W. Stell Huie, CRLS:Jan 79:II-1
Identification and Nature of Risks—A, W. Stell Huie, CRLS:Jan 79:II-15
Identification and Nature of Risks—B, J. K. Lemley, CRLS:Jan 79:II-28
Identification and Nature of Risks in Construction Projects — A Contractor's Perspective, J. Joseph Casey, CRLS:Jan 79:I-17
Keynote Address, George A. Fox, CRLS:Jan 79:II-9
Liability in Traffic and Highway Operations, Sheldon I. Pivnik, TE4:July 79:373:14701
Minimizing Risks and Mitigating Losses — A, G. S. Bates, CRLS:Jan 79:I-119
Minimizing Risks and Mitigating Losses — B, David G. Hammond, CRLS:Jan 79:I-133
Minimizing Risks/Mitigating Losses, V. Wallace Ryland, CRLS:Jan 79:I-145
Optimal Design of Culverts under Uncertainties, Larry W. Mays, HY5:May 79:443:14572
Probabilistic Procedures for Peak Ground Motions, John A. Blume and Anne S. Kiremidjian, ST11:Nov 79:2293:14976
Project Management and Contractual Relationships, Samuel L. Hack, CRLS:Jan 79:I-73
Reliability in Lifeline Earthquake Engineering, Kenneth W. Campbell, Ronald T. Eguchi and C. Martin Duke, TC2:Dec 79:259:15022
Resolution of Shoreline Disputes, Peter L. Buck and Jeffrey A. Layton, CZ80:Nov 80:1058
Risk Analysis for Hydraulic Design, Yeou-Koung Tung and Larry W. Mays, HY5:May 80:893:15419
Risk and Liability: The Owner's View, Max W. Strauss, CRLS:Jan 79:I-25
Risk of Catastrophic Failure of Major Dams, Don Rose, TN: HY9:Sept 78:1349:13984
Risks and Liabilities in Engineering Practice, John P. Gnaedinger, Walter E. Hanson and Narbey Khachaturian, EI4:Oct 79:207:14920
Simulation of Water System Seismic Risk, Irving J. Oppenheim, TC2:Dec 79:327:15067
Suite of Mathematical Flood Plain Models, Heinz Willi Weiss and Desmond Clifford Midgley, HY3: Mar 78:361:13604

Risk Acceptance
Allocation of Risks—B, Terence G. McCusker, CRLS:Jan 79:II-56
Allocation of Risks—E, Woodrow W. Wilson, CRLS: Jan 79:II-73
Contractual Arrangements—A, Carroll H. Dunn, CRLS:Jan 79:II-85
Summary Session—A, Walter S. Douglas, CRLS:Jan 79:II-173
Summary Session—D, David G. Hammond, CRLS: Jan 79:II-192

Risk Prediction (Accidents)
Planning Initiatives for Seismic Hazard Mitigation, Dennis S. Mileti, C080:80:44
Systematic Evaluation of Navigation in Harbors, Ronald K. Gress and John D. French, PO80:May 80:568
Work Zone Safety, Johnny R. Dahl, HW80:Mar 80: 242

Risks
Aerial Photography in Fire Risk Assessment, Paul R. DeCicco, AS80:Aug 80:155
Allocating Risk and Incentive in Construction, Raymond E. Levitt, David B. Ashley and Robert D. Logcher, CO3:Sept 80:297:15710
Allocation of Risks—A, M. G. Johnson, CRLS:Jan 79:II-53
Allocation of Risks—B, Terence G. McCusker, CRLS:Jan 79:II-56
Allocation of Risks—C, R. K. McFarland, CRLS:Jan 79:II-64
Allocation of Risks—D, George Ziegler, CRLS:Jan 79:II-69
Allocation of Risks—E, Woodrow W. Wilson, CRLS: Jan 79:II-73
Contractual Arrangements—A, Carroll H. Dunn, CRLS:Jan 79:II-85
Contractual Arrangements—D, Sammie D. Guy, CRLS:Jan 79:II-108
Facility Site Evaluation and Chemical Hazards, John S. Gardenier and Michael C. Parnarouskis, PO80: May 80:555
Failure Mode Correlation in Weakest-Link Systems, Robert Coffin Garson, ST8:Aug 80:1797:15634
Fendering Requirements/Design Fender Impact Criteria, J. S. Balfour, J. C. Feben and D. L. Martin, PO80:May 80:504
Identification and Nature of Risks—C, Alfred C. Maevis, CRLS:Jan 79:II-35
LNG/LPG Terminal Safety, John J. Closner, Henry J. Kuss, Jerry L. Lott and J. D. Porricelli, PO80: May 80:469
Location and Remediation of Abandoned Hazardous Wastes Sites, Norman H. Nosenchuck, EE80:July 80:560
Maritime Risk and Coastal Zone Management, Justus R. Riek, CZ80:Nov 80:575
Minimizing Risks and Mitigating Losses—A, William Cullen, CRLS:Jan 79:II-127
Minimizing Risks and Mitigating Losses—B, Franklin T. Matthias, CRLS:Jan 79:II-133
Nonstationary Risk Model with Geophysical Input, Jean B. Savy, Haresh C. Shah and David Boore, ST1:Jan 80:145:15115
A Quantitative Method for Analyzing the Allocation of Risks in Underground Construction, Raymond E. Levitt, CRLS:Jan 79:II-201

Summary Session—A, Walter S. Douglas, CRLS:Jan 79:II-173
Summary Session—B, Henry J. Jacoby, CRLS:Jan 79: II-178
Summary Session—D, David G. Hammond, CRLS: Jan 79:II-192
Systematic Groundwater Development Under Risk, John W. Labadie, Duane R. Hampton and Warren A. Hall, Preprint No.80-146, Apr 80, 22pp.
Uncertainties in Seismic Risk Procedures, Neville C. Donovan and Ann E. Bornstein, GT7:July 78:869: 13896
Utility Lifelines and Economic Activity in the Context of Earthquakes, Adam Zachary Rose, C080:80:107

Risk Taking
Allocation of Risks—E, Woodrow W. Wilson, CRLS: Jan 79:II-73
The Attributes of Computer Relative to Cost Engineering, Newton F. True, Preprint No.80-537, Oct 80, 14pp.
Construction Joint Ventures, David B. Ashley, CO3: Sept 80:267:15698
Coordinated Insurance for Major Construction Projects, David B. Ashley, CO3:Sept 80:307:15697
Risk and Liability: The Owner's View, Max W. Strauss, CRLS:Jan 79:I-25
Summary Session—D, David G. Hammond, CRLS: Jan 79:II-192

River Basin Development
Irrigation Management for River-Salinity Control, J. Paul Riley and Jerome J. Jurinak, IR4:Dec 79:419: 15023

River Beds
Aggradation in Streams Due to Overloading, Jagdish P. Soni, Ramachandra J. Garde and Kittur G. Ranga Raju, HY1:Jan 80:117:15147
Hydraulic Geometry of Active Gravel Rivers, Gary Parker, HY9:Sept 79:1185:14841
Riverbed Improves over Time: South Fork Salmon, Walter F. Megahan, William S. Platts and Bert Kulesza, IRKB:July 80:380
Sediment Modeling for the Sacramento River Diversion to the Peripheral Canal, Johannes J. DeVries, William J. Hartman and Jaime Amorocho, HYCO:Aug 80:463

River Flow
Alternatives and Trade-Offs Between Low-Flow Releases and Hydropower Generation, Joseph H. Kenny and Patricia P. Pingel, Preprint No.80-154, Apr 80, 8pp.
Geomorphic Evidence of Frequent and Extreme Floods, James C. Knox, EFHYF:Mar 79:220
Hydraulic Geometry of Active Gravel Rivers, Gary Parker, HY9:Sept 79:1185:14841
Modeling Of River Floodplains As Networks, Kenneth R. Avery, CP80:June 80:286
Response to a Changing Coastal Environment, Kenneth C. Caldwell, CZ80:Nov 80:1228
Steady Solution for River Flow, Robert F. Allen, TN: HY4:Apr 80:608:15305
Surface Dispersion in Wave Flume, Aysen Ergin, WW4:Nov 80:449:15854

River Regulation
Physical Hydraulic Model Study of an Ice-Covered River, Robert P. Johnson and Thomas V. Kotras, HYCO:Aug 80:431

Rivers
Bar Resistance of Gravel-Bed Streams, Gary Parker and Allan W. Peterson, HY10:Oct 80:1559:15733
Bedform Spacing and Flow Resistance, Timothy R.H. Davies, HY3:Mar 80:423:15258
Big Cajun No. 2 Docks: Planning and Design, Duli C. Sharma, PO80:May 80:100
Chattahoochee River Thermal Alterations, Harvey E. Jobson, Larry F. Land and Robert E. Faye, HY4: Apr 79:295:14499
Collie River Underflow into the Wellington Reservoir, Bob Hebbert, Jorg Imberger, Ian Loh and John Patterson, HY5:May 79:533:14593
Computer Controlled Physical Model of the Sacramento River, Jaime Amorocho, William J. Hartman and Johannes J. DeVries, HYCO:Aug 80: 451
Convergence of Implicit Bed Transient Models, Victor Miguel Ponce, Horst Indlekofer and Daryl B. Simons, HY4:Apr 79:351:14493
Cooling Potential of Missouri River in Missouri, Arthur R. Giaquinta, HY11:Nov 80:1813:15834
Design Criteria for Cooling-Water Outlet Structures, Michael Schatzmann and Eduard Naudascher, HY3:Mar 80:397:15239
Design Model for Thermal Effluents in Rivers, Giorgio Dinelli and Leonardo Castellano, HY3:Mar 79:197:14422
Determinate Hydraulic Geometry of River Channels, Richard D. Hey, HY6:June 78:869:13830
Dispersion in Rivers as Related to Storage Zones, George V. Sabol and Carl F. Nordin, Jr., HY5:May 78:695:13758
Dispersion in Rough Rectangular Channels, Eric M. Valentine and Ian R. Wood, HY12:Dec 79:1537: 15088
Efficient Simulation of Nonlinear Steady Flow, Gary C. Niemeyer, HY3:Mar 79:185:14420
Erosion by Circular Wall Jets in Cross Flow, Nallamuthu Rajaratnam, HY11:Nov 80:1867:15842
Estimating Average Velocity in Gravel-Bed Rivers, Dale I. Bray, HY9:Sept 79:1103:14810
Flow Resistance in Cobble and Boulder Riverbeds, Daryl B. Simons, Khalid S. Al-Shaikh-Ali and Ruh-Ming Li, HY5:May 79:477:14576
Flow Resistance in Gravel-Bed Rivers, Richard D. Hey, HY4:Apr 79:365:14500
Flow Resistance of Large-Scale Roughness, James C. Bathurst, HY12:Dec 78:1587:14239
Geometry of Gravel Streams, Howard H. Chang, HY9:Sept 80:1443:15678
Geometry of Rivers in Regime, Howard H. Chang, HY6:June 79:691:14640
Geomorphic Study of Upper Mississippi River, Yung Hai Chen and Daryl B. Simons, WW3:Aug 79:313: 14778
Gravel Size Analysis from Photographs, John Adams, HY10:Oct 79:1247:14908
Hybrid Cooling System Thermodynamics and Economics, Arthur R. Giaquinta, Thomas E. Croley, II and Tai-Dan Hsu, EY1:Apr 80:89:15319
Impact of Gravel Mining on River System Stability, Peter F. Lagasse, Brien R. Winkley and Daryl B. Simons, WW3:Aug 80:389:15643
Improved Stability of Dronkers' Tidal Schemes, Guus S. Stelling, HY8:Aug 80:1365:15660
Influences on Plans for the Santa Ana River Channel Mouth, Fala Powers, CZ80:Nov 80:1173
Longitudinal Dispersion in Rivers, Spyridon Beltaos, HY1:Jan 80:151:15118
Mathematical Simulation of Dam-Break Flow, Rudi Rajar, HY7:July 78:1011:13883
Modeling Alluvial Channel Bed Transients, Victor Miguel Ponce, Jesus Lopez Garcia and Daryl B. Simons, HY3:Mar 79:245:14456
Modified Fickian Model for Predicting Dispersion, Henry Liu and Alexander H.D. Cheng, HY6:June 80:1021:15454
Monitoring Areawide Rural Water Quality, Larry F. Bliven, Frank J. Humenik, Fred A. Koehler and Michael R. Overcash, EE1:Feb 79:101:14343
Multiple Jets in Shallow Flowing Receiving Waters, A. David Parr and William W. Sayre, HY11:Nov 79:1357:14991
Numerical Simulation of Mixing in Natural Rivers, Terrence O. Harden and Hung Tao Shen, HY4:Apr 79:393:14501
Nutrient-Uptake Model in Marsh Ecosystems, Lawrence A. Burns and R. Bruce Taylor, III, TC1: Apr 79:177:14540
Overland/Instream Contaminant Migration Modeling, Stuart M. Brown and Yasuo Onishi, HYCO:Aug 80:397

Physical Hydraulic Model Study of an Ice-Covered River, Robert P. Johnson and Thomas V. Kotras, HYCO:Aug 80:431
Pipeline River Crossings: A Design Method, Donald Steven Graham, TE2:Mar 80:141:15261
Power Plant Diffuser-Pipe System, A. David Parr and William W. Sayre, EE6:Dec 79:1075:15048
Presentation of Longitudinal Dispersion Data, Philip C. Chatwin, HY1:Jan 80:71:15150
Probability Analysis of Historical Flood Data, Robert Gerard and Edward W. Karpuk, HY9:Sept 79:1153: 14834
River Clean-Up Plan Developed with Citizens and Industry, Harold J. Day, W. Elman, D. Theiler and R. Christianson, CE:Mar 80:78
Rockfill Linings for Channels, David Stephenson, IRKB:July 80:643
Satellite Data Collection Platforms in River and Flood Forecasting, Allen F. Flanders and J. W. Schiesl, ASDC:80:300
Secondary Flow and Shear Stress at River Bends, James C. Bathurst, Colin R. Thorne and Richard D. Hey, HY10:Oct 79:1277:14906
Shallow Wave Propagation in Open Channel Flow, Victor Miguel Ponce and Daryl B. Simons, HY12: Dec 77:1461:13392
Simplified Diurnal Curve Analysis, John B. Erdmann, EE6:Dec 79:1063:15026
Statistical Analysis of Sediment Motions on Dunes, Che S. Hung and Hsieh Wen Shen, HY3:Mar 79: 213:14438
Steady Solution for River Flow, Robert F. Allen, TN: HY4:Apr 80:608:15305
Steepness of Sedimentary Dunes, Mehmet Selim Yalin and Emin Karahan, HY4:Apr 79:381:14502
Total Load of Bed Materials in Open Channels, Hideo Kikkawa and Tadaharu Ishikawa, HY7:July 78:1045:13895
Transient Mixing in River Channels, Hung Tao Shen, EE3:June 78:445:13810
Transverse Mixing Tests in Natural Streams, Spyridon Beltaos, HY10:Oct 80:1607:15731
Waikato River Pollutant Flushing Rates, J. C. Rutherford, M. E.U. Taylor and J. D. Davies, EE6: Dec 80:1131:15939
Water Quality Modeling Using Computer Graphics, Peter N. French and Daniel P. Loucks, EE80:July 80:138
Water Quality Sampling Programs in Rivers, Graeme C. Dandy and Stephen F. Moore, EE4:Aug 79:695: 14757
Wintertime Flow Distribution in River Channels, Hung Tao Shen and Norbert L. Ackermann, HY5: May 80:805:15427

River Systems

Modeling Of River Floodplains As Networks, Kenneth R. Avery, CP80:June 80:286
A Model Structure for Stream Systems, John B. Stall, HYCO:Aug 80:98
The Physical Impacts of Sand Removal From Rivers, Jimmy F. Harp and Joakim G. Laguros, IRKA:July 80:180

Roadbeds

Design Procedure for Asphalt Railway Roadbeds, James Colville, TE6:Nov 79:651:14971

Road Conditions

Liability Implications for Low Volume Rural Highways, Melvin B. Larsen, TE6:Nov 80:803: 15844

Road Construction

The Pretreatment of Clay Soils for Road Construction, D. H. van der Merwe, F. Hugo and A. P. Steyn, SLS:June 80:361
Productivity and Technology in Construction, Janet A. Koch and Fred Moavenzadeh, CO4:Dec 79:351: 15077

Road Damage

User Losses in Earthquake-Damaged Roadway Networks, Chris Hendrickson, Irving J. Oppenheim and Krishnaswami Siddharthan, TC1:Aug 80:117: 15631

Road Design

Computerizing Public Works Design, Ann E. Seltz-Petrash, CE:May 80:76
Markings and Delination in Safety Construction, Gerald P. Balcar, HW80:Mar 80:135

Roads

Effects of Logging Roads on Storm Hydrographs, Everett P. Springer and George B. Coltharp, IRKB: July 80:228
Embankments Through Cross River Swamp, Roger Foott, Dan Devecseri, C. N. Aneke, J. O. Jackson and Charles C. Ladd, GT3:Mar 80:219:15288
Impact of Federal Highway Policy on County Road Programs, Robert A. Larson, TE1:Jan 79:23:14319
Road Salts Movement into Two Toronto Streams, William S. Scott, EE3:June 80:547:15468

Roadside Hazards

Amelioration of Roadside Obstacle Crashes, Paul H. Wright and Leon S. Robertson, TE6:Nov 79:609: 14974
Highway Safety and Roadside Hazards, James L. Foley, Jr., TE6:Nov 80:617:15799
Roadside Obstacle Elimination Programs, Paul H. Wright, HW80:Mar 80:116
State-of-the-Art of Highway Safety Appurtenances, F. J. Tamanini, HW80:Mar 80:216

Roadside Maintenance

State-of-the-Art of Highway Safety Appurtenances, F. J. Tamanini, HW80:Mar 80:216

Rock (Material)

Instability and Spacing of Cooling or Shrinkage Cracks, Abubakr A. Bazant and Abubakr A. Wahab, EM5:Oct 79:873:14933
Static Deformation of Rock, Joseph B. Walsh, EM5: Oct 80:1005:15761

Rock Bolts

Cut Slope Stabilization Using Rock Bolts, Bruce M. Camlin, Gerald L. Branthoover and James W. Richards, TE1:Jan 79:31:14292
Excavation of World's Largest Underground Powerhouse, Laurent Hamel and David Nixon, CO3:Sept 78:333:13995
Field Study of Tunnel Prereinforcement, Gregory E. Korbin and Tor L. Brekke, GT8:Aug 78:1091: 13948

Rock Excavation

Excavation of World's Largest Underground Powerhouse, Laurent Hamel and David Nixon, CO3:Sept 78:333:13995

Rockfill Dam Construction

Earthwork Quantity Surveys at Damsites, Kevin B. Flynn, ASDC:80:124
Geotechnical Aspects of Rubbie-Mound Coastal Structures, Donald D. Treadwell, Albert P. Ridley and Orville T. Magoon, PO80:May 80:801

Rock Fills

Rockfill Linings for Channels, David Stephenson, IRKB:July 80:643

Rock Masses

Empirical Strength Criterion for Rock Masses, Evert Hoek and Edwin T. Brown, GT9:Sept 80:1013: 15715

Rock Mechanics

Behavior of Driven Piles on Soft Limestone, Curtis J. Roos and E. W. Lingo, GTDF:80:365
Empirical Strength Criterion for Rock Masses, Evert Hoek and Edwin T. Brown, GT9:Sept 80:1013: 15715

Northfield Mountain Pumped Storage Project: Performance, William F. Swiger, Philip A. Wild and Thomas J. Lamb, GT6:June 80:673:15506
Rockfill Quarry Experience, Ord River, Australia, Lewis L. Oriard and Joseph L. Jordan, CO1:Mar 80:37:15252
Rough Cracks in Reinforced Concrete, Zdenek P. Bazant and Pietro Gambarova, ST4:Apr 80:819:15330
Shearing Flows of Granular Materials, Stephen L. Passman, Jace W. Nunziato, Paul B. Bailey and John P. Thomas, Jr., EM4:Aug 80:773:15647
Strength and Deformability of Highly Fractured Rock, Jerome M. Raphael and Richard E. Goodman, GT11:Nov 79:1285:14988
Tunnel Closure for Nonlinear Mohr-Coulomb Functions, Timothy C. Kennedy and Herbert E. Lindberg, EM6:Dec 78:1313:14245

Rock Properties
Penetrability for Discriminating in Rock and Soil, Panaghiotis C. Kotzias and Aris C. Stamatopoulos, TN: GT2:Feb 80:193:15193
RQD and Fracture Spacing, Richard E. Goodman and H. Rodney Smith, TN: GT2:Feb 80:191:15193
Strength and Deformability of Highly Fractured Rock, Jerome M. Raphael and Richard E. Goodman, GT11:Nov 79:1285:14988

Rocks
Construction on Expansive Rock, K. L. Logani, SLS: June 80:496
Empirical Strength Criterion for Rock Masses, Evert Hoek and Edwin T. Brown, GT9:Sept 80:1013:15715
Prefailure and Post-Failure Soil Plasticity Models, M. M. Mehrabadi and Stephen C. Cowin, EM5:Oct 80:991:15755

Rock Strength
Strength and Deformability of Highly Fractured Rock, Jerome M. Raphael and Richard E. Goodman, GT11:Nov 79:1285:14988

Rods
Wave Propagation in Prestressed Curved Rods, Mehdi Farshad, EM2:Apr 80:395:15373

Rolled Fills
Analysis of Soil Compactibility by Rollers, Raymond N.Y. Yong and E. A. Fattah, Preprint No.80-646, Oct 80, 14pp.

Roof Failures
Roof Design: Avoid Ponding by Sloping to Drain, Gary Van Ryzin, CE:Jan 80:77
Winter Roof Collapses: Bad Luck or Bad Design?, Ann E. Seltz-Petrash, CE:Dec 79:42

Roofing Materials
Five Millions Square Foot Tent Roof, Fazlur R. Khan, John J. Zils and Mohammed Salem, CE:Dec 80:68

Roofs
Cost Optimization of Buildings, Alan D. Russell and Khalid T. Choudhary, ST1:Jan 80:283:15125
Energy Loss Surveys Using Thermal IR Technology, Lewis E. Link, Jr., ASDC:80:259
The Fabric Roof, Allen Morrison, CE:Aug 80:60
Failure of Wood Roof Systems Under Snow Load, Keith F. Faherty, Preprint No.80-113, Apr 80, 13pp.
Finite Strip Laminated Sandwich Roof Analysis, Ibrahim M. Ibrahim and Gerard R. Monforton, ST5:May 79:905:14594
Folded Plate Structures, Jerome S.B. Iffland, ST1:Jan 79:111:14300
Folded Plates with Intermediate Flexible Supports, Abubakr A. Wahab and Adam M. Mousa, ST10:Oct 79:2091:14905
Hartford Coliseum Roof Collapse: Structural Collapse Sequence and Lessons Learned, Erling A. Smith and Howard I. Epstein, CE:Apr 80:59
Ponding on Flat Roofs, Paul T. Nicholas, Preprint No.80-129, Apr 80, 13pp.
Progressive Collapse in the Hartford Space Truss, Erling A. Smith and Howard I. Epstein, Preprint No.80-062, Apr 80, 13pp.
Review of Roof Failures in the Chicago Area Under Heavy Snow Loads, Ian R. Chin, Albert J. Gouwens and John M. Hanson, Preprint No.80-145, Apr 80, 20pp.
Roof Design: Avoid Ponding by Sloping to Drain, Gary Van Ryzin, CE:Jan 80:77
Roofs in Cold Regions, Wayne Tobiasson, Preprint No.80-172, Apr 80, 21pp.
Snow Load Analysis for Structures, Arnfinn Rusten, Ronald L. Sack and Myron Molnau, ST1:Jan 80:11:15102
Stresses in Floating Roofs, Howard I. Epstein and John R. Buzek, ST5:May 78:735:13740
Thermographic Applications for Plant and Building Engineers, Henry H. Schmalz, AS80:Aug 80:131
Torsional Buckling Study of Hartford Coliseum, Robert S. Loomis, Raymond H. Loomis, Robert W. Loomis and Richard W. Loomis, ST1:Jan 80:211:15124
Winter Roof Collapses: Bad Luck or Bad Design?, Ann E. Seltz-Petrash, CE:Dec 79:42

Rope
Design of Counterstressed Cable Structures, Dennis Clarke, ST11:Nov 80:2259:15794

Rotary Drilling
Predrilling: Minimizes the Undesirable Effects of Pile Installation?, Richard P. Ray, Edward J. Ulrich, Jr. and James Malinak, GTDF:80:459

Rotation
Prebuckling Rotations and Cylinder Buckling Analysis, Don O. Brush, EM2:Apr 80:225:15332

Rotational Flow
Turbulence in Helically Corrugated Pipe Flow, Edward Silberman, EM4:Aug 80:699:15633

Roughness (Hydraulic)
Biomechanics of Vegetative Channel Linings, Nicholas Kouwen and Ruh-Ming Li, HY6:June 80:1085:15464
Composite Roughness of Natural Channels, Asok K. Motayed and Muthusamy Krishnamurthy, TN: HY6:June 80:1111:15449
Effective Depth in Channels Having Bed Undulations, Chittoor R.S. Pillai, HY1:Jan 79:67:14336
Estimating Average Velocity in Gravel-Bed Rivers, Dale I. Bray, HY9:Sept 79:1103:14810
Flow Resistance in Gravel-Bed Rivers, Richard D. Hey, HY4:Apr 79:365:14500
Flow Resistance of Large-Scale Roughness, James C. Bathurst, HY12:Dec 78:1587:14239
General Algorithm for Rough Conduit Resistance, Sushil Kumar and John A. Roberson, HY11:Nov 80:1745:15806
Hydraulic Resistance of Artificial Strip Roughness, Donald W. Knight and J. Alasdair Macdonald, HY6:June 79:675:14635
Some Paradoxes in the History of Hydraulics, Hunter Rouse, HY6:June 80:1077:15475

Roughness Coefficient
General Algorithm for Rough Conduit Resistance, Sushil Kumar and John A. Roberson, HY11:Nov 80:1745:15806
Hydraulic Resistance of Artificial Strip Roughness, Donald W. Knight and J. Alasdair Macdonald, HY6:June 79:675:14635
Open Channel Flow with Varying Bed Roughness, Donald W. Knight and J. Alasdair Macdonald, HY9:Sept 79:1167:14839

Route Preferences
Landsat Image Processing and Mapping Techniques and Their Utility for Civil Engineering Applications (Abstract), Donald R. Morris-Jones and Mervyn B. Walsh, AS80:Aug 80:182
Making TheBus Better, Walter Kudlick, Akira Fujita, Howard Takara and Robert R. Way, MGC:July 80: 332
Multiobjective Modeling for OCS Pipeline Systems, David Engberg, Jared Cohon and Charles ReVelle, CZ80:Nov 80:684

Routes
Flood Emergency Evacuation Plans, Ronald E. Hilton, HYUS:June 80:56
Multiobjective Modeling for OCS Pipeline Systems, David Engberg, Jared Cohon and Charles ReVelle, CZ80:Nov 80:684
Water Pipeline Location, S. J. O'Keefe, ASDC:80: 131

Route Surveys
Studying Route Structures in the Pacific, A. C. Busch and R. Woodruff, MGC:July 80:55
Water Pipeline Location, S. J. O'Keefe, ASDC:80: 131

Routing
Channel Routing by Finite Difference Method, Yang H. Huang, HY10:Oct 78:1379:14088
Comparison of Muskingum Method Difference Schemes, Antonis D. Koussis, TN: HY5:May 80: 925:15383
Environmental Optimization of Power Lines, Spyros Economides and Manijeh Sharifi, EE4:Aug 78:675: 13951
Inland Routing of Hurricane Surges in Wetlands, Armando I. Perez, Robert Laura, John D. Wang and Bernard LeMehaute, HYUS:June 80:347
Linear Reservoirs and Numerical Diffusion, Victor Miguel Ponce, HY5:May 80:691:15393

Rubble-Mound Breakwaters
Geotechnical Aspects of Rubble-Mound Coastal Structures, Donald D. Treadwell, Albert P. Ridley and Orville T. Magoon, PO80:May 80:801
Wave Dampening Due to Rubblemound Breakwaters, Michael de St.Q. Isaacson, WW4:Nov 78:391: 14178

Rudolph Hering Medal
Factors Influencing Activated Sludge Properties, John T. Novak, Harry Becker and Andrew Zurow, EE5: Oct 77:815:13262
Model for Design of Multicomponent Adsorption Systems, John C. Crittenden and Walter J. Weber, Jr., EE6:Dec 78:1175:14230

Runoff
Accuracy of Snowmelt Runoff Estimates, Mark E. Hawley, Richard H. McCuen and Albert Rango, IRKB:July 80:347
The Annual Water Balance, Peter S. Eagleson, HY8: Aug 79:921:14781
A Baseflow Simulation Model, Susan E. Hogg, Anton G. Thompson and W. David Striffler, IRKB:July 80:755
Buildup, Strength, and Washoff of Urban Pollutants, Michael L. Terstriep, G. Michael Bender and Dennis J. Benoit, TC1:Aug 80:73:15620
Calibration and Application of a Watershed Planning Model, Robert D. Looper, HYUS:June 80:152
The Chicago Region's Valuable Water Resources, Clint J. Keifer, WR2:July 80:541:15569
Coagulation and Detention of Stormwater Runoff, J. S. Godlewski, P. Moore and B. A. Snyder, Preprint No.80-666, Oct 80, 12pp.
Combined Sewer Overflow Controls for Boston Harbor, John R. Elwood, William F. Callahan and John A. Mueller, EE80:July 80:464
Comparison of HEC 1 & TR 20 Programs, Muthusamy Krishnamurthy and W. Tracy Lenocker, HYUS:June 80:92
Computation of Recession and Runoff Integral, J. Mohan Reddy, TN: IR4:Dec 80:367:15873
Contour Furrowing as a Range Management Practice, Earl L. Neff and J. Ross Wight, IRKB:July 80:827
Control of Stormwater Runoff in a Rural Area, Pamela B. Katz, John A. Ripp and Deborah K. Martin, EE80:July 80:372
Converging Flow Model Applied to Urban Catchment, Franklin W. Ellis, Fred V. Ramsey and George M. Hornberger, HY9:Sept 80:1457:15711
Corps Takes New Approach to Flood Control, Frank Notardonato and Arthur F. Doyle, CE:June 79:65
A Data Base System for Real Time Hydrologic Modeling, Robert M. Ragan and Jack D. Fellows, AS80:Aug 80:33
Design of a Test to Study Salinity Response in a Major Estuarine System to Major Storm Inflow, David Fenwick Bastian, HYUS:June 80:134
Downstream Effects of Stormwater Management Basins, Richard H. McCuen, HY11:Nov 79:1343: 14977
Dual-Purpose Detention Basins, William Whipple, Jr., WR2:Sept 79:403:14860
Dynamic Mathematical Modeling of Rill Erosion, Richard A. Rohlf and Michael E. Meadows, IRKB: July 80:13
Effects of Subsidence on Stream Hydraulics, Christopher B. Amandes, HYUS:June 80:414
Empirical Investigation of Curve Number Technique, Allen T. Hjelmfelt, Jr., HY9:Sept 80:1471:15693
EPA Research in Urban Stormwater Pollution Control, Richard Field, HY5:May 80:819:15389
Estimating Erosion and Sediment Yield from Rangeland, Kenneth G. Renard, IRKB:July 80:164
Estimating Sediment Yield from Cultivated Fields, George R. Foster, Leonard J. Lane and Walter G. Knisel, Jr., IRKB:July 80:151
Estimation of Direct Runoff from Urban Watersheds, Aolad Hossain, A. Ramachandra Rao and Jacques W. Delleur, HY2:Feb 78:169:13565
Evaluation of Alternative Stormwater Detention Policies, Gregory E. Kamedulski and Richard H. McCuen, WR2:Sept 79:171:14806
Finite Element Method for Direct Runoff Flow, Mutsuto Kawahara and Teruyuki Yokoyama, HY4: Apr 80:519:15341
Flood Management for Small Urban Streams, William Whipple, Jr., WR2:Nov 77:315:13370
Frequency Analysis of Snow Course Data, Charles E. Brockway and H. F. Mayland, IRKB:July 80:368
Highway Construction Impact on Water-Supply Lakes, Kok-Heng Tan and Dhandapani Thirumurthi, EE5:Oct 78:997:14052
Hydrologic Impact of Small Depressional Watersheds, Curtis L. Moore and Larson, IR4:Dec 80:345:15937
Landsat Imagery for Hydrologic Modeling?, Richard S. Taylor, Robert P. Shubinski and T. S. George, AS80:Aug 80:44
Map Skew, Richard H. McCuen, WR2:Sept 79:269: 14840
Modeling Sediment Filtration by Vegetative Filters, Billy J. Barfield and J. C. Hayes, IRKB:July 80:98
New Routing Model for Continuous Runoff Simulation, M. S.K. Chowdhury and F. C. Bell, HY4:Apr 80:489:15357
North City West Drainage Investigation, James S. Jenks, Thomas C. MacDonald and Robert B. Ebert, HYUS:June 80:405
Optimal Sequence of Incremental Precipitation, Anand Prakash, TN: HY12:Dec 78:1668:14199
Optimization of Unit Hydrograph Determination, Larry W. Mays and Lynn Coles, HY1:Jan 80:85: 15129
Origin and Evolution of the SCS Runoff Equation, Robert E. Rallison, IRKB:July 80:912
Parking Lot Impact on Water Quality, Peter E. Black, IRKB:July 80:541
Pollutant Concentrations form Homogenous Land Uses, Irwin Polls and Richard Lanyon, EE1:Feb 80: 69:15169
Predicting Sediment Yield from Strip-Mined Land, Martin M. Fogel, Louis H. Hekman, Jr. and Lucien Duckstein, IRKB:July 80:176

Range Treatment Effects on Infiltration Rates, John M. Tromble, IRKB:July 80:802
Reducing Salinity of Surface Runoff from Rangeland, R. Gordon Bentley, Eric B. Janes and Keith O. Eggleston, IRKB:July 80:69
Runoff Curve Numbers with Varying Site Moisture, Richard H. Hawkins, IR4:Dec 78:389:14254
Sediment Transport in a Pool-Riffle Stream, James Milligan, Edward Chacho and Myron Molnau, IRKB:July 80:430
Snow-Covered Area Utilization in Runoff Forecasts, Albert Rango, Jack F. Hannaford, Michael Rosenzweig and A. Jean Brown, HY1:Jan 79:53: 14326
Stormwater Interception and Storage, Dominic M. Di Toro and Mitchell J. Small, EE1:Feb 79:43:14368
Stormwater Quality—First Efforts in Denver, Ben Urbonas and L. Scott Tucker, TC1:Aug 80:53: 15621
Stormwater Runoff Modeling of a Planned Community, Kevin J. Smolenyak, HYUS:June 80: 378
Stormwater Treatment Systems, Mitchell J. Small and Dominic M. DiToro, EE3:June 79:557:14617
The STS Method for Flood Frequency Estimation, Mark Wildermuth, HYUS:June 80:66
Urban Runoff Management: Future Modeling, Harry C. Torno, TC1:Aug 80:165:15626
Urban Runoff Pollution and Water Quality Planning, William Whipple, Jr., TC1:Aug 80:101:15632
Urban Runoff Pollution Method, George K. Young, Timothy R. Bondelid and Dennis N. Athayde, WR2:Sept 79:353:14854
Urban Runoff Quality: Information Needs, Michael B. Sonnen, TC1:Aug 80:29:15611
Urban Storm Runoff Quality in Southeast Michigan, Peter G. Collins and James W. Ridgway, EE1:Feb 80:153:15199
Use of a Simplified Surface Runoff Model, William G. Smith, HYUS:June 80:173

Runoff Forecasting

The California Drought—Its Effect on Runoff Forecasting For Power Generation, Gary J. Freeman, EFHYF:Mar 79:266
Improved Watershed Management using Remote Sensing, Albert Rango, IRKB:July 80:1019
Urban Runoff Management Strategies, David F. Kibler and Gert Aron, TC1:Aug 80:1:15600

Rural Areas

Control of Stormwater Runoff in a Rural Area, Pamela B. Katz, John A. Ripp and Deborah K. Martin, EE80:July 80:372
Endangered Species: Compatibility with a Utility, J. Ross Wilcox, CZ80:Nov 80:179
Environment and Water Development in Third World, Asit K. Biswas, WR1:Mar 80:319:15295
A Geographic Information System for a Rural County, W. Kent Crowder, SU80:June 80:74
Origin and Evolution of the SCS Runoff Equation, Robert E. Rallison, IRKB:July 80:912
Subdivision of Rural Land and Recreational Area Development—Eildon Reservoir, Bruce Kenneth Willersdorf, ASDC:80:150

Rural Highways

Liability Implications for Low Volume Rural Highways, Melvin B. Larsen, TE6:Nov 80:803: 15844

Rural Roads

Markings and Delination in Safety Construction, Gerald P. Balcar, HW80:Mar 80:135

Rust

Physical Model for Steel Corrosion in Concrete Sea Structures—Theory, Zdenek P. Bazant, ST6:June 79:1137:14651
Physical Model for Steel Corrosion in Concrete Sea Structures—Application, Zdenek P. Bazant, ST6: June 79:1155:14652

Rusting

Observations on Mortar Lining of Steel Pipelines, Samuel Aroni and G. Louis Fletcher, TE6:Nov 79: 667:14966

Safety

Accident and Seismic Containment Reliability, Michael N. Fardis, C. Allin Cornell and John E. Meyer, ST1:Jan 79:67:14305
Application of Landsat to the Inventory of Dams, Andrew R. Blystra and Raymond R. Dumas, AS80: Aug 80:54
Bring Traffic Engineering to Southwest Kansas, Roy C. Loutzenheiser, Preprint No.80-583, Oct 80, 13pp.
Coastal Siting of Hazardous Waterfront Facilities, Paul C. Golden, CZ80:Nov 80:562
Cold Weather Costs and Accidents, Enno Koehn and Dennis Meilhede, Preprint No.80-505, Oct 80, 18pp.
The Construction Manager and Safety, George M. Gans, Preprint No.80-174, Apr 80, 18pp.
Cooling Towers with Circumferential Imperfections, Charles P. Ellinas, James G.A. Croll and Kenneth O. Kemp, ST12:Dec 80:2405:15910
Creep Strain Accumulation Under Random Loading, Chavali V.S. Kameswara Rao, TN: EM6:Dec 78: 1457:14198
Deepwater Bottom Supported "Condeep" Terminal Design, Leif G. Larsen and John M. MacDonald, PO80:May 80:339
Deflection Bounding at Shakedown, Francis Tin Loi, TN: ST5:May 80:1209:15384
Development of a North Sea Oil Terminal, Iain M. Robertson, CZ80:Nov 80:2066
Earthquake Prediction: A Socioeconomic View, John H. Sorensen, EI3:July 80:257:15550
Earthquake Response of Nuclear Power Facilities, James J. Johnson and Robert P. Kennedy, EY1:Jan 79:15:14296
Facility Site Evaluation and Chemical Hazards, John S. Gardenier and Michael C. Parnarouskis, PO80: May 80:555
First-Crossing of Second-Moment Variables, Daniele Veneziano, EM5:Oct 79:747:14904
A Fuzzy Safety Measure, Colin B. Brown, EM5:Oct 79:855:14915
The Impact of Hydrocarbon Emission Controls on Marine Design, Joseph G. Zabaga, PO80:May 80: 677
Improving Productivity in Hot Weather at Remote Areas, Arthur E. Seleen, EI3:July 80:249:15565
Linear Model in Probabilistic Fatigue Design, Paul H. Wirsching and Steve Hsieh, EM6:Dec 80:1265: 15919
LNG/LPG Terminal Safety, John J. Closner, Henry J. Kuss, Jerry L. Lott and J. D. Porricelli, PO80: May 80:469
Logical Analysis of Subjective Estimates of Structural Failure, D. I. Blockley, Preprint No.80-003, Apr 80, 17pp.
Meridionally Imperfect Cooling Towers, James G.A. Croll, Fevzi Kaleli and Kenneth O. Kemp, EM5: Oct 79:761:14895
National Transportation Policies Through the Year 2000, John E. Wild, UT79A:July 79:173
New Index of Reliability, Daniele Veneziano, EM2: Apr 79:277:14515
New Perspectives on the Safety of Dams, Donald A. Giampaoli, EI3:July 80:265:15580
Oil Terminal Relocation at Long Beach, California, Charles F. Connors and Michael G. Burke, PO80: May 80:172
Optimal Reliability Analysis by Fast Convolution, Niels C. Lind, EM3:June 79:447:14648
Optimum Design to Resist Earthquakes, Emilio Rosenblueth, EM1:Feb 79:159:14395
Optimum Expenditures in Seismic Design, Emilio Rosenblueth, EM1:Feb 79:177:14396
Paratransit in Developing Countries, Sigurd Grava, MGC:July 80:278
Policies for Lifeline and Critical Facility Safety, Robert A. Olson, C080:80:180

Proposed AISC LRFD Design Criteria, Frank J. Heger, TN: ST3:Mar 80:729:15231
Public and Private Regulation of LNG Transport, Jonathan David Aronson and William Westermeyer, CZ80:Nov 80:589
The Rail-Highway Grade Crossing Program—A State's View, Robert E. Craven, HW80:Mar 80:124
Railroad Highway Grade Crossing Program: Railroad View, Frederick J. Kull, HW80:Mar 80:130
Reliability Analysis of Slopes: Frequency-Domain Method, Daniele Veneziano and Jaime Antoniano, GT2:Feb 79:165:14378
Reliability Considerations in Offshore Platform Criteria, Robert G. Bea, ST9:Sept 80:1835:15688
Risk of Catastrophic Failure of Major Dams, Don Rose, TN: HY9:Sept 78:1349:13984
Risks and Liabilities in Engineering Practice, John P. Gnaedinger, Walter E. Hanson and Narbey Khachaturian, EI4:Oct 79:207:14920
Safety Aspects of the Bridge Reconstruction and Rehabilitation Program, Rex C. Leathers, HW80: Mar 80:165
Solution for Second-Moment Reliability Index, David B. Parkinson, EM5:Oct 78:1267:14094
Supervisor-Worker Relationship Affects Injury Rate, Jimmie Hinze and Francine Gordon, CO3:Sept 79: 253:14848
Tugs as Aids to the Safety of Tankers and Ports, James A. Atkinson, PO80:May 80:584

Safety Education
Turnover, New Workers, and Safety, Jimmie Hinze, CO4:Dec 78:409:14209

Safety Engineering
Highway Safety Research and Implementation, Edwin M. Wood, HW80:Mar 80:207
Safety Challenge for the Future, Howard L. Anderson, HW80:Mar 80:264
Studying Route Structures in the Pacific, A. C. Busch and R. Woodruff, MGC:July 80:55
Success Despite Our Worship, Carlton Fisher, HW80:Mar 80:96
Work Zone Safety, Johnny R. Dahl, HW80:Mar 80: 242

Safety Factor
Dynamic Shakedown in Elastic-Plastic Bodies, Giulio Ceradini, EM3:June 80:481:15471

Safety Factors
Risk Analysis for Hydraulic Design, Yeou-Koung Tung and Larry W. Mays, HY5:May 80:893:15419

Safety Programs
A Federal Perspective on Lifeline Seismic Safety, Richard J. Green, C080:80:1
Implementing Highway Safety Improvements, Thomas A. Hall, Chmn., HW80:Mar 80
Roadside Obstacle Elimination Programs, Paul H. Wright, HW80:Mar 80:116
Safety Studies Related to RRR Projects, Charles P. Brinkman, Preprint No.80-607, Oct 80, 10pp.

Safety Research
Consideration of Seismic Hazards in Lifeline Design, A. H-S. Ang, C080:80:215
Economic and Seismic Hazard Mitigation for a Gas and Electric Utility, Ricahrd V. Bettinger, C080:80: 98
Lifelines, Seismic Hazards and Public Policy, Charles Conrad Thiel, Jr., C080:80:6
Planning Initiatives for Seismic Hazard Mitigation, Dennis S. Mileti, C080:80:44
Policies for Lifeline and Critical Facility Safety, Robert A. Olson, C080:80:180
Turnover, New Workers, and Safety, Jimmie Hinze, CO4:Dec 78:409:14209

Safe Yield
Aquifers: Finite-Element Linear Programming Model, K. Elango and Gerhard Rouve, HY10:Oct 80:1641: 15734
Water Source Investigation for Newport News, Va., Robert C. Dolecki, Richard E. Underhill and James A. Rhodes, EE80:July 80:249

Salaries
Metropolitan Section Accreditation Program on Compliance with Manual 55, Thomas A. Mulhern, EI1:Jan 79:35:14316
Professional Development in Iowa: 1979 Surveys, Robert D. Reckert, EI4:Oct 80:365:15765
Section Handbook for Implementation of Manual 55, Philip J. Dinauer, EI4:Oct 79:179:14875

Sales Management
Marketing Analysis for A/E Firm, Donald A. Dupies, EI1:Jan 80:11:15155

Saline Groundwater
Determining Impact of Irrigation on Ground Water, Irfan A. Khan, IR4:Dec 80:331:15927

Saline Water
Coal Mining Effects on Western Groundwater Quality, Rollin H. Hotchkiss and J. Paul Riley, IRKA:July 80:1
Experiments on Arrested Saline Wedge, John P. Grubert, HY6:June 80:945:15484
The Impact of Irrigation on Ground Water Quality, David L. Carter, IRKA:July 80:13
Irrigation of Cotton with Saline Drainage Water, James D. Rhoades, Stephen L. Rawlins and C. J. Phene, Preprint No.80-119, Apr 80, 20pp.
Response of Cotton to Brackish Irrigation Water (Abstract), Stephen L. Rawlins and James D. Rhoades, IRKA:July 80:197

Saline Water-Freshwater Interfaces
Engineer's Notebook: Graphs for Saline Wedges in Estuaries, Emmanuel Partheniades, Vassilios Dermisis and Ashish J. Mehta, CE:Jan 80:90

Saline Water Intrusion
C & D Canal Effect on Salinity of Delaware Estuary, Tavit O. Najarian, M. Llewellyn Thatcher and Donald R.F. Harleman, WW1:Feb 80:1:15172
Water Control Difficulties Through Flooded Lakes Systems, Donald John Blackmore, ASDC:80:69

Saline Water Systems
C & D Canal Effect on Salinity of Delaware Estuary, Tavit O. Najarian, M. Llewellyn Thatcher and Donald R.F. Harleman, WW1:Feb 80:1:15172

Salinity
Coal Mining Effects on Western Groundwater Quality, Rollin H. Hotchkiss and J. Paul Riley, IRKA:July 80:1
Collie River Underflow into the Wellington Reservoir, Bob Hebbert, Jorg Imberger, Ian Loh and John Patterson, HY5:May 79:533:14593
Delaware River Basin Water Resources Management, Cecil H.J. Hull, WR1:Nov 78:157:14166
Design of a Test to Study Salinity Response in a Major Estuarine System to Major Storm Inflow, David Fenwick Bastian, HYUS:June 80:134
Determining Impact of Irrigation on Ground Water, Irfan A. Khan, IR4:Dec 80:331:15927
Developing Optimal River Basin Solutions for Alleviating Environmental Impacts from Irrigated Agriculture, Wynn R. Walker and Gaylord V. Skogerboe, IRKA:July 80:228
Energy-Water-Salinity: Upper Colorado River Basin, Marshall Flug, Wynn R. Walker and Gaylord V. Skogerboe, WR2:Sept 79:305:14844
Estuarine Front Formation and Propagation, John P. Grubert, HY6:June 80:961:15485
Field Study for Landsat Water Quality Verification, Donald Steven Graham and J. M. Hill, AS80:Aug 80:101
Geomorphic Indices of Hydrologic Characteristics, R. B. White and Richard H. Hawkins, IRKB:July 80: 54
The Impact of Irrigation on Ground Water Quality, David L. Carter, IRKA:July 80:13

Irrigation Management for River-Salinity Control, J. Paul Riley and Jerome J. Jurinak, IR4:Dec 79:419: 15023
Local Assistance: A Problem in Translation, Stephen Olsen, CZ80:Nov 80:1510
Multimillion-Acre Tea Bag, George Svenson, CE:Feb 80:47
Optimization of Salinity Control in Grand Valley, Wynn R. Walker, Gaylord V. Skogerboe and Robert G. Evans, IR1:Mar 79:15:14455
Potential Coastal-Zone Impacts of Alternative Ocean Energy Systems, Volker W. Harms and Nancy Gutshall, CZ80:Nov 80:947
Reducing Salinity of Surface Runoff from Rangeland, R. Gordon Bentley, Eric B. Janes and Keith O. Eggleston, IRKB:July 80:69
Reducing Salt Pickup from Irrigated Lands, Wynn R. Walker, Gaylord V. Skogerboe and Robert G. Evans, IR1:Mar 79:1:14454
Reuse of Power Plant Effluent for Crop Production, W. A. Jury, Jr., H. J. Vaux and L. H. Stolzy, IRKA:July 80:188
Salinity Assessment at Kerang, W. Trewhella, ASDC: 80:206
Salinity Control Planning Framework, Gaylord V. Skogerboe, Wynn R. Walker and Robert G. Evans, WR2:Sept 79:329:14849
The Salinity Forum: What? How? Why?, Daniel F. Lawrence and Barry C. Saunders, Preprint No.80-139, Apr 80, 10pp.
Sources of Pollution from Agricultural Drainage, Reginald E. Merrill, Ronald M. Van De Pol and Walter E. Ryley, IR2:June 79:137:14605
Storage of Freshwater in Saline Aquifers, Satya P. Singh and Valdali V.N. Murty, IR2:June 80:93: 15476
Tile Drainage of Irrigated Till Soils in Alberta, B. A. Paterson and D. Brook Harker, IRKA:July 80:263
Using High Salinity Waters in the Southwest, John R. Erickson, IRKA:July 80:198
Water Source Investigation for Newport News, Va., Robert C. Dolecki, Richard E. Underhill and James A. Rhodes, EE80:July 80:249

Saltation

Coal Mining Effects on Western Groundwater Quality, Rollin H. Hotchkiss and J. Paul Riley, IRKA:July 80:1
The Impact of Irrigation on Ground Water Quality, David L. Carter, IRKA:July 80:13

Salt Balance

Urbanizing Irrigated Valleys for Optimum Water Use, Herman Bouwer, UP1:Jan 79:41:14281
Water and Salt Transfers in an Irrigation District, Martin Oosterveld and Jack M. Carefoot, IR2:June 79:197:14646

Salt Domes

Deep Storage of Nuclear Waste: Structural Issues, David A. Day, EY2:Oct 80:201:15746
Strategic Petroleum Reserves: Billion Dollar Project to Provide Energy Security for U.S., Part 1 and 2, Ann E. Seltz-Petrash, CE:Aug 80:41

Salt Removal

Reducing Salinity of Surface Runoff from Rangeland, R. Gordon Bentley, Eric B. Janes and Keith O. Eggleston, IRKB:July 80:69

Salts

Road Salts Movement into Two Toronto Streams, William S. Scott, EE3:June 80:547:15468

Salts Effects

Salinity Assessment at Kerang, W. Trewhella, ASDC: 80:206

Salt Soil Stabilization

Salinity Assessment at Kerang, W. Trewhella, ASDC: 80:206

Salt Water Barriers

Dual Recharge Well for Water Supply Stabilization, William H. Fleming, Jr. and Gerald E. Speitel, EE80:July 80:257
Influences on Plans for the Santa Ana River Channel Mouth, Fala Powers, CZ80:Nov 80:1173
The Issue of Freshwater Inflow to Estuaries, Norman G. Benson, CZ80:Nov 80:1147

Salt Water Intrusion

Dual Recharge Well for Water Supply Stabilization, William H. Fleming, Jr. and Gerald E. Speitel, EE80:July 80:257
Engineer's Notebook: Graphs for Saline Wedges in Estuaries, Emmanuel Partheniades, Vassilios Dermisis and Ashish J. Mehta, CE:Jan 80:90
Submersed Aquatic Vegetation in the Tidal Potomac, Virginia Carter, James E. Paschal, Jr. and G. Michael Haramis, CZ80:Nov 80:1537

Sample Disturbance

Sample Disturbance and Stress-Strain Behavior, Vincent P. Drnevich and Karl Rainer Massarach, GT9:Sept 79:1001:14809
Soil Sampling in Europe: State-of-the-Art, Bengt B. Broms, GT1:Jan 80:65:15149

Samplers

Calibration of Bed-Load Samplers, Peter Engel and Y. Lam Lau, TN: HY10:Oct 80:1679:15725

Samples

Collapsible-Bag Suspended-Sediment Sampler, Herbert H. Stevens, Jr., Gale A. Lutz and David W. Hubbell, TN: HY4:Apr 80:611:15305
Cost Effective Water Quality Monitoring, Stanley L. Ponce, E. Thomas Bartlett and Corey P. Wong, IRKB:July 80:530
Natural Fluctuations of Water Quality in a Headwater Stream, Joe F. Nix, EFHYF:Mar 79:391
Strategy Evaluation — Minnesota Small Urban Areas, Katheryn Briscoe, CAAA:Nov 79:11
Timber Harvest and Water Yields in the Ozarks, Carl D. Settergren, R. Michael Nugent and Gary S. Henderson, IRKB:July 80:661

Sampling

Collapsible-Bag Suspended-Sediment Sampler, Herbert H. Stevens, Jr., Gale A. Lutz and David W. Hubbell, TN: HY4:Apr 80:611:15305
Comparison of Areal Snow Sampling Procedures, Walter J. Rawls, Thomas J. Jackson and J. F. Zuzel, IRKB:July 80:356
Cost Effective Water Quality Monitoring, Stanley L. Ponce, E. Thomas Bartlett and Corey P. Wong, IRKB:July 80:530
Effect of Forestry Practices in Florida Watersheds, H. Riekerk, B. F. Swindel and John A. Replogle, IRKB:July 80:706
Indirect Techniques for Investigating Hazardous Waste Burial Sites, Richard C. Dorrler, EE80:July 80:576
Modification of Older Automated Samplers, Fred A. Koehler, Ed P. Harris and Frank J. Humenik, TN: EE3:June 80:655:15447
Natural Fluctuations of Water Quality in a Headwater Stream, Joe F. Nix, EFHYF:Mar 79:391
Potential for Water Reuse—A Computer Model, Ed Smith, Steve Shelton, Manette Messenger and Barry Peterman, EE80:July 80:634
Sampling Errors in Estimation of Extreme Hurricane Winds, Martin E. Batts, Martin R. Cordes and Emil Simiu, TN: ST10:Oct 80:2111:15726
Secure Land Burial of Hazardous Wastes: A State-of-the-Art Example, Robert D. Mutch, Jr., EE80:July 80:426
Soil Sampling in Europe: State-of-the-Art, Bengt B. Broms, GT1:Jan 80:65:15149
Statistical Reliability of Ambient Noise Surveys, Daniel A. Driscoll and William J. Webster, EE80: July 80:399
Strategy Evaluation — Minnesota Small Urban Areas, Katheryn Briscoe, CAAA:Nov 79:11

Trip-Based Analysis of Auto Emissions, Greig Harvey, CAAA:Nov 79:225

Sampling Designs
Remote Sensing in Archaeological Sampling Designs, Robert C. Dunnell, TE3:May 80:349:15428

Samuel Arnold Greeley Award
Effect of Design on Economy of Aerobic Digestion, Otto Brody, EE2:Apr 79:383:14547

Sanctuary
Elkhorn Slough: The Making of an Estuarine Sanctuary, Nona B. Dennis, Bruce Browning and Hal Bissell, CZ80:Nov 80:1939
Marine Sanctuaries, A Controversial Concept, John K. Cassell, CZ80:Nov 80:1959
Marine Sanctuary Institutional Analysis, Brian J. O'Sullivan, CZ80:Nov 80:1979
Proposed Gray's Reef Marine Sanctuary: A Case Study, Carrol N. Curtis and Jeannette H. Phillips, CZ80:Nov 80:1969
Scientific Collecting in South Florida: Problems with Permits, Eugene A. Shinn, CZ80:Nov 80:2017

Sand
Liquefaction Of Soil During Earthquakes, S. Nemat-Nasser, EM81:Jan 81:376
A Study of Downdrag on a Cast-in-Place Concrete Pile, Antal Partos, GTDF:80:311
Timber Piles in Fine-Silty Sand, Raj P. Khera, Tonis Raamot and Morris Berkowitz, GTDF:80:235
Unsteady Drawdown in 2-D Water Table Aquifer, David T. Higgins, IR3:Sept 80:237:15696

Sand Boils
Definition of Terms Related to Liquefaction, William F. Marcuson, III, Chmn., GT9:Sept 78:1197:14037

Sand Filters
Dispersive Soil Problem at Los Esteros Dam, Thomas N. McDaniel and Rey S. Decker, GT9:Sept 79: 1017:14804
Treating Industrial Wastewater of Varying Quality and Quantity, Sydney H. Stilley, EE80:July 80:553

Sand Filtration
High-Rate Filtration in Polymer-Treated Sand Bed, John J. Byeseda and Nicholas D. Sylvester, EE2: Apr 79:231:14525

Sands
Bored Pile Groups under Vertical Load in Sand, Krishan G. Garg, GT8:Aug 79:939:14786
Cellular Bulkheads and Cofferdams, Warren L. Schroeder and James K. Maitland, GT7:July 79: 823:14713
Coastal Erosion in San Diego County, California, Gerald G. Kuhn and Francis P. Shephard, CZ80: Nov 80:1899
Cone Resistance as Measure of Sand Strength, James K. Mitchell and Tom A. Lunne, GT7:July 78:995: 13901
Dispersion Estimates for Hydraulic Dredge Spoil, Marvin R. Pyles and Warren L. Schroeder, EE3: June 79:571:14625
Effects of Stress History on Deformation of Sand, James R. Lambrechts and Gerald A. Leonards, GT11:Nov 78:1371:14170
Elastic-Plastic Model for Saturated Sand, George Y. Baladi and Behzad Rohani, GT4:Apr 79:465:14510
Endochronic-Critical State Models for Sand, Roy Dangar and S. Nuh, EM5:Oct 80:951:15762
Equivalent Linear Model for Predicting Settlements of Sand Bases, Issa S. Oweis, GT12:Dec 79:1525: 15051
Expansion of Cavities in Sand, H. B. Pooroohasb and B. Lelievre, Preprint No.80-543, Oct 80, 14pp.
Factors Affecting Liquefaction and Cyclic Mobility, Gonzalo Castro and Steve J. Poulos, GT6:June 77: 501:12994
Fluid Wave Propagation in Saturated and Nearly Saturated Sand, N. Foster Allen, Frank E. Richart, Jr. and Richard D. Woods, GT3:Mar 80:235:15286
Gravel Barrier Genesis and Management: A Contrast, R. W.G. Carter and J. D. Orford, CZ80: Nov 80:1304
Liquefaction Potential: Science Versus Practice, Ralph B. Peck, GT3:Mar 79:393:14418
Liquefaction Study — A Decision Analysis Framework, Achintya Haldar, GT12:Dec 80:1297: 15925
Littoral Sand Transport from Longshore Currents, Todd L. Walton, Jr., TN: WW4:Nov 80:483:15793
Loading Rate Effects on Compressibility of Sand, John G. Jackson, Jr., John Q. Ehrgott and Behzad Rohani, GT8:Aug 80:839:15640
Load Tests on Piles Driven into Cretaceous Sand, Richard E. Ackley and Richard L. Sanders, GTDF: 80:1
The Physical Impacts of Sand Removal From Rivers, Jimmy F. Harp and Joakim G. Laguros, IRKA:July 80:180
Predicting Sand Deposition at Porous Fences, Christopher J. Phillips and Brian B. Willetts, WW1: Feb 79:15:14379
Prediction of Undrained Behavior of Sand, Poul V. Lade, GT6:June 78:721:13834
Principal Stress Rotation: A Missing Parameter, J. Robin F. Arthur, Ken S. Chua, Treve Dunstan and Juan I. Rodriguez del C., GT4:Apr 80:419:15375
Resorcinolic Grout for Injecting Sandy Foundations, Arvind V. Shroff and Dhananjay L. Shah, TN: GT10:Oct 80:1153:15724
Response to Dynamic Surface Pressure Distributions, A. M. Wijesinghe and Herbert B. Kingsbury, GT1: Jan 80:1:15114
Sand Feeding by Elevator, H. J. Geldof and J. Groeneveld, TN: HY12:Dec 80:2055:15872
Sand to Sandstone: Foundation Strengthening with Chemical Grout, Edward D. Graf and Edwin G. Zacher, CE:Jan 79:67
Site Factors Controlling Liquefaction, Rafael M. Blazquez, Raymond J. Krizek and Zdenek P. Bazant, GT7:July 80:785:15577
Soil Restraint Against Horizontal Motion of Pipes, Jean M.E. Audibert and Kenneth J. Nyman, GT10: Oct 77:1119:13303
SPT and Relative Density in Coarse Sands, William F. Marcuson, III and Wayne A. Bieganousky, GT11:Nov 77:1295:13350
Static Shear and Liquefaction Potential, Yoginder P. Vaid and W. D. Liam Finn, GT10:Oct 79:1233: 14909
TEACUP Pretreatment of Wastewaters, George E. Wilson, EE80:July 80:651
Total Load of Bed Materials in Open Channels, Hideo Kikkawa and Tadaharu Ishikawa, HY7:July 78:1045:13895
Uplift and Bearing Capacity of Short Piers in Sand, Nabil F. Ismael and Tony W. Klym, GT5:May 79: 579:14568
Wave Induced Instability in Ocean Floor Sands, W. D. Liam Finn, R. Siddharthan and Geoffrey R. Martin, Preprint No.80-638, Oct 80, 14pp.
Wave-Induced Pore Pressures in a Submerged Sand Layer, Yuet Tsui and Steven C. Helfrich, Preprint No.80-570, Oct 80, 17pp.
Yielding Load of Anchor in Sand, Miam Chang Wang and Arthur H. Wu, Preprint No.80-618, Oct 80, 14pp.

Sandstone
Preparation of Friable Aquiferous Specimens, Paul Francis Worthington, TN: HY2:Feb 80:333:15165

Sandstones
Sand to Sandstone: Foundation Strengthening with Chemical Grout, Edward D. Graf and Edwin G. Zacher, CE:Jan 79:67

Sand Waves
Modeling Alluvial Channel Bed Transients, Victor Miguel Ponce, Jesus Lopez Garcia and Daryl B. Simons, HY3:Mar 79:245:14456
Sand Bed Instability Due to Bed Load Motion, Hiroji Nakagawa and Tetsuro Tsujimoto, HY12:Dec 80: 2029:15936

Steepness of Sedimentary Dunes, Mehmet Selim Yalin and Emin Karahan, HY4:Apr 79:381:14502
Visualization of Separation Over Sand Waves, M. Emin Karahan and Allan W. Peterson, HY8:Aug 80:1345:15652

Sandwich Laminates
Finite Strip Laminated Sandwich Roof Analysis, Ibrahim M. Ibrahim and Gerard R. Monforton, ST5:May 79:905:14594

Sandwich Panels
Nonlinear Elastic Analysis of Panelized Shear Sandwich Walls, Paul P. Fazio and Santi Rizzo, ST6:June 79:1187:14649
Thick Skin Sandwich Beam Columns with Weak Cores, Robert G. Drysdale, Fernando Betancourt-Angel and Geoffrey B. Haddad, ST12:Dec 79:2601:15072

San Francisco
Comments on the Federal-Local Partnership in Transportation Air Quality Planning, Paul F. Maxwell, CAAA:Nov 79:33
Environmental Case History of an Ocean Outfall, Noel J. Williams, Richard B. Meighan, Donald D. Treadwell and George J. Murphy, CZ80:Nov 80:703
Golden Gate Bridge — Deck Investigation, Harry D. Reilich and Frank L. Stahl, Preprint No.80-051, Apr 80, 22pp.
Golden Gate Tidal Measurements: 1854-1978, Raymond A. Smith, TN: WW3:Aug 80:407:15592
Minority Business Enterprise Efforts - Feedback From the Field, CE:Jan 80:96
Municipal Sewage: Three Communities Try to Cope, Allen Morrison, CE:Sept 80:90
Protecting Suisun Marsh — 85,000 Acres of Habitat, William J. Kockelman and Jeffry S. Blanchfield, CZ80:Nov 80:1138
Sand to Sandstone: Foundation Strengthening with Chemical Grout, Edward D. Graf and Edwin G. Zacher, CE:Jan 79:67
San Francisco Ocean Outfall Port Valve Development, Loring E. Hanson, Henry H.C. Lin, Allen L. Davis, John S. Readshaw and Robert T. Hudspeth, HYCO:Aug 80:51
Seismic Zonation in the San Francisco Bay Region, Earl E. Brabb, C080:80:54
Transportation Controls to Promote Air Quality: The San Francisco Bay Area Experience, Vincent Petrites, CAAA:Nov 79:179
Water Lifeline EQ Engineering Practiced by Ebmud, Walter F. Anton, C080:80:125

Sanitary Engineering
Design Effluent Quality, Ralph E. Roper, Jr., Roger O. Dickey, Stephen Marman, Steve W. Kim and Robert W. Yandt, EE2:Apr 79:309:14518
Managing Storm Runoff in Chicago Area, Bart T. Lynam, Forrest C. Neil and Frank E. Dalton, TC2:Dec 79:401:15035

Sanitary Landfill
Analysis of Landfills with Historic Airphotos, Thomas L. Erb, Warren R. Philipson, William L. Teng and Ta Liang, AS80:Aug 80:15
Broad Area Searches for Hazardous Waste Disposal, Allen W. Hatheway, Pickett T. Simpson and John L. Splendore, EE80:July 80:329
Comprehensive Solid Waste Plan — Palm Beach County, Timothy F. Hunt, Jr., Preprint No.80-628, Oct 80, 7pp.
Containment of Heavy Metals with Natural Materials, Ronald E. Benson, Jr., EE80:July 80:69
Development of a Landfill Classification System, Michael U. Flanders, CP80:June 80:239
Effective Sludge Disposal — A Question of Policy, Martin Lang, EE80:July 80:664
Energy Recovery From Waste and Biomass—Site Specific Economic Studies, Roger C. Bales, Ira J. Wright and Lory E. Larson, EE80:July 80:582
The Impact of EPA's Proposed Guidelines for the Landfill Disposal of Solid Wastes, Wayne K. Tusa, Preprint No.80-590, Oct 80, 13pp.
The Impacts of the Resource Conservation and Recovery Act on Wood Fired Energy Systems, Hugh T. Carson and Dennis W. Weeter, EE80:July 80:508
Indirect Techniques for Investigating Hazardous Waste Burial Sites, Richard C. Dorrler, EE80:July 80:576
Land Disposal of Coal Gasification Residue, William J. Boegly, Jr., Henry W. Wilson, Jr., Chester W. Francis and E. C. Davis, EY2:Oct 80:179:15757
Landfill Management for Double Alkali Sulfur Dioxide Scrubber Sludge, Raymond J. Krizek, EY2:Aug 79:229:14742
Landfill Management with Moisture Control, James O. Leckie, John G. Pacey and Constantine Halvadakis, EE2:Apr 79:337:14533
Leachate Recycle as Landfill Management Option, Frederick G. Pohland, EE6:Dec 80:1057:15899
The Love Canal Remedial Action Report, Joseph L. Slack, EE80:July 80:564
Metals Removal from Wastewater Sludges with Liquid-Ion Exchange, David A. Cornwell and Gary C. Cline, EE80:July 80:540
Methane Migration Around Sanitary Landfills, Charles A. Moore, Iqbal S. Rai and Ayad A. Alzaydi, GT2:Feb 79:131:14372
Modeling Effects of Environmental Stresses due to Industrial Wastes on Gas Production by Landfill Sediments, S. Roychowdhury, L. Y. Young, D. Cox, J. Powers, J. Sharkey and M. Levandowsky, EE80:July 80:75
Moisture Retention of Landfilled Solid Wastes, Raymond L. Huitric, Sagar Raksit and Roger T. Haug, EE80:July 80:55
Municipal/Industrial Waste Landfill Simulators, James J. Walsh, Riley N. Kinman and Nancy S. Neely, EE80:July 80:62
NEWCO and SCA — Harbingers for Future Hazardous Waste Siting Wrangles?, Peter N. Skinner, EE80:July 80:657
Numerical Simulation of Gas Flow in Sanitary Landfills, Angelos N. Findikakis and James O. Leckie, EE5:Oct 79:927:14896
RCRA Implementation and the Environmental Engineer's Role, John Lynch, EE80:July 80:199
Remedial Actions for Open Dumps, William H. Hassett and Earl T. Conrad, Preprint No.80-575, Oct 80, 11pp.
Sanitary Landfill Site Selection by Remote Sensing, Jerry R. Rogers, William J. Graff, Larry J. Stone, C. H. Tsen and S. S. Yang, ASDC:80:92
Sanitary Landfill Site Selection by Remote Sensing, Byron E. Ruth, Janet D. Degner and Harold K. Brooks, TE6:Nov 80:661:15835
Secure Land Burial of Hazardous Wastes: A State-of-the-Art Example, Robert D. Mutch, Jr., EE80:July 80:426
Soil and Vegetation Covers for Reducing Leachates from Landfills, Damodar S. Airan, George H. Snyder and David Strasberg, Preprint No.80-652, Oct 80, 13pp.
A Systematic Approach to Landfill Evaluation, D. Randy Junkins and Michael H. Corbin, EE80:July 80:50

Sanitary Sewers
Computer Geographic Base Files for Sanitary Sewers, Christina R. Palmerlee, Thomas M. Palmerlee and Dyan C. Conway, CP80:June 80:295
Desk Calculator Model for Wastewater Planning, Donald T. Lauria, EE1:Feb 79:113:14390
Municipal Sewage: Three Communities Try to Cope, Allen Morrison, CE:Sept 80:90

Satellite Mapping
Hydrologic Telemetry from Remote Areas, Robert A. Halliday, ASDC:80:329
Satelite Imagery and Shoreline Erosion Prediction, Charles W. Welby, AS80:Aug 80:78

Satellite Photography
Environmental Data Collection Via the Global Meteorological Satellite System for Water Management and Control, Warren L. Sharp, ASDC:80:316
Satellite Data Collection Platforms in River and Flood Forecasting, Allen F. Flanders and J. W. Schiesl, ASDC:80:300
Surface Temperature Mapping by NOAA-5 Satellite, Siamak Khorram and H. Gregory Smith, ASDC:80:286
Surface Water Inventory through Satellite Sensing, Srinivasan Thiruvengadachari, Pavuluri Subba Rao and Keshavamurthi Ramachandra Rao, WR2:July 80:493:15563

Satellites (Artificial)
Advanced Data Collection Technology and Applications - A Task Committee Report (Abstract), Bob Benn and Enrico Mercanti, MGC: July 80:342
Commercial Satellites for Data Collection (Abstract), William G. Shope and Richard W. Paulson, MGC: July 80:362
Energy From Space, Ann E. Seltz-Petrash, CE:July 79:53
Geographic Data Bases, Richard E. Cornish, CP80: June 80:660
Landsat Imagery for Hydrologic Modeling?, Richard S. Taylor, Robert P. Shubinski and T. S. George, AS80:Aug 80:44
The Movie System: Low Cost General Purpose Computer Graphics Software, Henry N. Christiansen and B. J. Nay, CP80:June 80:1
Whither Satellite Remote Sensing—II?, Kneeland A. Godfrey, Jr., CE:Apr 80:63

Saturated Soils
Elastic-Plastic Model for Saturated Sand, George Y. Baladi and Behzad Rohani, GT4:Apr 79:465:14510
Liquefaction Of Soil During Earthquakes, S. Nemat-Nasser, EM81:Jan 81:376
Phosphate Mine Dump Hydrology, Eugene E. Farmer, IRKB:July 80:846

Saturation
Fluid Wave Propagation in Saturated and Nearly Saturated Sand, N. Foster Allen, Frank E. Richart, Jr. and Richard D. Woods, GT3:Mar 80:235:15286
Rain Infiltration into Layered Soils: Prediction, Ahmed Y. Hachum and Jose F. Alfaro, IR4:Dec 80:311:15905
Saturation Kinetics for Preferential Nitrogen Uptake, David S. Bowles and William J. Grenney, TN: EE4:Aug 80:833:15588

Saturation Zones (Soils)
Establishing Ground Water Rights Using a Model, James W. Naney and Douglas C. Kent, IRKB:July 80:117

Savings
Computer Aided Design and the Corps of Engineers, Seymour Schneider, CP80:June 80:627
Construction Methods in Tunneling under a Railroad, Marcello H. Soto, CO3:Sept 77:317:13180
Potential for Water Reuse—A Computer Model, Ed Smith, Steve Shelton, Manette Messenger and Barry Peterman, EE80:July 80:634
Savings in Multiple Analysis by Using Finite Elements, Som P. Virk, CP80:June 80:186

Sawdust
Containment of Heavy Metals with Natural Materials, Ronald E. Benson, Jr., EE80:July 80:69

Scaffolds
West Virginia Cooling Tower Collapse Caused by Premature Form Removal, Hai S. Lew, CE:Feb 80:62

Scale (Corrosion)
East Mesa Geothermal Test Site, Wayne A. Fernelius and Martin K. Fulcher, EE1:Feb 79:13:14361

Scale (Ratio)
A New Manual on Map Uses, Scales, and Accuracies, Carl B. Feldscher, SU1:Nov 80:143:15853

Scale Effect
Air Quality Modeling of A Sewage Treatment Plant, Walter G. Hoydysh and Richard P. Barth, EE80:July 80:494
Application of a Consistent Vortex Scaling Law, Eugene Chang, HYCO:Aug 80:272
Continuous Composite-Bridge Model Tests, Paul W. Botzler and James Colville, ST9:Sept 79:1741:14824
Models of Precast Concrete Large Panel Buildings, Harry G. Harris and John C. Muskivitch, ST2:Feb 80:545:15218
Multidimensional Scaling in Recreational Planning, John E. Praskey, R. Keith Weaver, Edward A. McBean and Keith William Hipel, WR1:Mar 80:61:15275
Physical Hydraulic Model Study of an Ice-Covered River, Robert P. Johnson and Thomas V. Kotras, HYCO:Aug 80:431
Sediment Modeling for the Sacramento River Diversion to the Peripheral Canal, Johannes J. DeVries, William J. Hartman and Jaime Amorocho, HYCO:Aug 80:463
Systematic Evaluation of Navigation in Harbors, Ronald K. Gress and John D. French, PO80:May 80:568
Use of a Scale Model to Improve Pond Circulation, William A. Rozeboom, HYCO:Aug 80:1
Water Temperature Mapping by Infrared Scanner, James B. Evans, AS80:Aug 80:118

Scale Models
Application of a Consistent Vortex Scaling Law, Eugene Chang, HYCO:Aug 80:272
Use of a Scale Model to Improve Pond Circulation, William A. Rozeboom, HYCO:Aug 80:1

Scanning Electron Microscopes
The Cracking and Fracture of Mortar, Sidney Mindess and Sidney Diamond, FIC:Oct 80:15

Scarfing
$20 Million for Billet Grinding Eliminates Waste, CE:June 79:64

Scattering
Wave Forces on Multiple Vertical Cylinders, Subrata K. Chakrabarti, WW2:May 78:147:13727

Scheduling
Construction/Engineering Management: A Comparison, Steven S. Pinnell, EI4:Oct 80:405:15779
Contractual Arrangements—E, Martin N. Kelley, CRLS:Jan 79:II-113
Development of New Features for Ices Project/I, Edmond T. Miresco, CP80:June 80:151
Development Planning and Scheduling Model, Calin M. Popescu and James A. Wilson, UP1:Jan 79:25:14321
Effects of Planning, Scheduling, and Communicating on Crew Productivity, R. Court Olson, Preprint No.80-576, Oct 80, 7pp.
Evaluation of Owner Comments on Specifications, Edward R. Fisk, CO4:Dec 80:469:15875
Evapotranspiration under Depleting Soil Moisture, Wiboon Boonyatharokul and Wynn R. Walker, IR4:Dec 79:391:15018
An Interactive Construction Control System for Project Planning and Estimating, A. Fattah Chalabi, Thomas W. Staehr and Rafael Lai, CP80:June 80:140
Management Scheduling Techniques Used on the Dade County Rapid Transit System, Ronald S. Steiner, Preprint No.80-515, Oct 80, 12pp.
Possible Energy Savings in Irrigation, James R. Gilley and Darrell G. Watts, IR4:Dec 77:445:13416

Remotely Sensed Crop Temperatures and Reflectances as Inputs to Irrigation Scheduling, R. D. Jackson, S. B. Idso, R. J. Reginato and P. J. Pinter, Jr., IRKA:July 80:390
Schedule Control for PCM Projects, Patricia D. Galloway and K. Nielsen, Preprint No.80-174, Apr 80, 29pp.
Simulation of Construction Project Duration, Robert I. Carr, CO2:June 79:117:14607
A Temperature Model for Small Mountain Streams, Shelley S. Ellis, Stanley L. Ponce and L. Eric Siverts, IRKB:July 80:494
Zone Scheduling of Urban Bus Routes, Mark A. Turnquist, TE1:Jan 79:1:14288

Scholarships
Consulting Engineering Graduate Education, Lloyd H. Ketchum, Jr., EI4:Oct 79:197:14889
How NFMES Brings Minorities into Engineering, Garvey E. Clarke, EI2:Apr 79:59:14478

Schools
Sand to Sandstone: Foundation Strengthening with Chemical Grout, Edward D. Graf and Edwin G. Zacher, CE:Jan 79:67
A Wall Solves a Classroom Problem, John Peterson, Preprint No.80-502, Oct 80, 5pp.

Scintillation Counters
Airborne Snow Survey Using Natural Gamma Radiation, Thomas R. Carroll and Kenneth G. Vadnais, ASDC:80:1

Scour
Localized Scour Below Submerged Vertical Gates, Hilmi Dogan Altinbilek and Yakup Basmaci, HYCO:Aug 80:39
Rockfill Linings for Channels, David Stephenson, IRKB:July 80:643
Scour Around Bridge Piers at High Flow Velocities, Subhash C. Jain and Edward E. Fischer, HY11:Nov 80:1827:15845
Scour Velocities in Ephemeral Channels, William C. Hughes, HY9:Sept 80:1435:15701
Sediment Modeling for the Sacramento River Diversion to the Peripheral Canal, Johannes J. DeVries, William J. Hartman and Jaime Amorocho, HYCO:Aug 80:463

Scouring
Localized Scour Below Submerged Vertical Gates, Hilmi Dogan Altinbilek and Yakup Basmaci, HYCO:Aug 80:39
New Coast Guard Icebreakers for the Fourth Coast, Alan S. Gracewski, CZ80:Nov 80:624
Pipeline River Crossings: A Design Method, Donald Steven Graham, TE2:Mar 80:141:15261
Scour Around Bridge Piers at High Flow Velocities, Subhash C. Jain and Edward E. Fischer, HY11:Nov 80:1827:15845
Scour Velocities in Ephemeral Channels, William C. Hughes, HY9:Sept 80:1435:15701
Sediment Modeling for the Sacramento River Diversion to the Peripheral Canal, Johannes J. DeVries, William J. Hartman and Jaime Amorocho, HYCO:Aug 80:463

Screening
Choosing Objectives in Transportation Planning, Philip H. Byer and David Saunders, TE1:Jan 79:91:14307
Elevator System Configuration Optimization, Yosef Sheffi, TE2:Mar 79:127:14448

Screens
Physical Modeling of Bubble Screens, Sahim Tekeli and W. Hall C. Maxwell, WW1:Feb 80:49:15176

Scrubbers
Landfill Management for Double Alkali Sulfur Dioxide Scrubber Sludge, Raymond J. Krizek, EY2: Aug 79:229:14742

Sea Level
Barrier Island Sedimentation Studies Program, Edward Meisburger, Leita J. Hulmes, Edward B. Hands, S. Jeffress Williams, Craig H. Everts, Dennis A. Prins, Richard D. Hobson and Kenneth Finkelstein, CZ80:Nov 80:810
Golden Gate Tidal Measurements: 1854-1978, Raymond A. Smith, TN: WW3:Aug 80:407:15592
Gravel Barrier Genesis and Management: A Contrast, R. W.G. Carter and J. D. Orford, CZ80: Nov 80:1304
Human Influence on the Sediment Budget of a Barrier Island, Craig H. Everts, CZ80:Nov 80:863
Influence of Storm Type and Urbanization on Tidal Flooding, Armando Balloffet and Michael L. Scheffler, CZ80:Nov 80:2256

Sealing
Initial Engineering Design Approach for Sealing of Geologic Nuclear Waste Repositories, D. K. Shukla, N. Foster Allen, D. E. Stephenson and Richard D. Ellison, Preprint No.80-168, Apr 80, 19pp.

Seasonal Variations
Amazon Basin Hydrometeorology, Allen T. Hjelmfelt, Jr., HY6:June 78:887:13825
The Concepts Defining the Rate of Swell of Expansive Soils, P. W. Mitchell, SLS:June 80:106
Seasonal Heave of Australian Clay Soils, John E. Holland and Charles E. Lawrance, SLS:June 80:302

Sea Walls
New Foundation System for Granite Seawall, Victor V. Calabretta and Peter Sullivan, PO80:May 80:807

Sea Water
Physical Model for Steel Corrosion in Concrete Sea Structures—Application, Zdenek P. Bazant, ST6: June 79:1155:14652

Sea Water Composition
Physical Inspection of Three Ocean Disposal Sites, Thomas L. Heinecke, Preprint No.80-019, Apr 80, 20pp.

Sea Water Corrosion
Physical Model for Steel Corrosion in Concrete Sea Structures—Theory, Zdenek P. Bazant, ST6:June 79:1137:14651

Security
Problems in New Tokyo Airport, Manabe Shigeto and Sakai Katsuyuki, MGC:July 80:46

Sediment
Discrete Dynamic Model of Watershed Sediment Yield, Tribeni C. Sharma and William T. Dickinson, HY5:May 79:555:14592
Reducing Salinity of Surface Runoff from Rangeland, R. Gordon Bentley, Eric B. Janes and Keith O. Eggleston, IRKB:July 80:69
Snowmelt Sediment from Sierra Nevada Headwaters, Clarence M. Skau, John C. Brown and John A. Nadolski, IRKB:July 80:418

Sedimentation
Alaska Water Quality Standards and BMPs, John D. Stednick, IRKB:July 80:721
Barrier Island Sedimentation Studies Program, Edward Meisburger, Leita J. Hulmes, Edward B. Hands, S. Jeffress Williams, Craig H. Everts, Dennis A. Prins, Richard D. Hobson and Kenneth Finkelstein, CZ80:Nov 80:810
Best Management Practices for Forestry Activities, Richard J. McClimans, IRKB:July 80:694
Chemical Flocculation in Coal Mine Sediment Ponds, John S. Tapp, Billy J. Barfield and Edward G. Foree, IRKB:July 80:615
Compaction Effects on Hydraulic Failure Gradients, Lyman S. Willardson and Manuel J. Batista, IRKA: July 80:140

Constant and Variable Eddy Viscosity Flow Simulations in Settling Tanks, David R. Schamber and Bruce E. Larock, HYCO:Aug 80:345
Convergence of Implicit Bed Transient Models, Victor Miguel Ponce, Horst Indlekofer and Daryl B. Simons, HY4:Apr 79:351:14493
Dispersion Estimates for Hydraulic Dredge Spoil, Marvin R. Pyles and Warren L. Schroeder, EE3: June 79:571:14625
Effect of Out-Of-Basin Water Diversions on Instream Flow Needs, Wayne S. Gentry, IRKA:July 80:52
Effects of Subsidence on Stream Hydraulics, Christopher B. Amandes, HYUS:June 80:414
Environmental Information From Sediments, David P. Adam, EFHYF:Mar 79:206
Erosion and Sediment Yield Models—An Overview, Walter G. Knisel, Jr., IRKB:July 80:141
Estimating Erosion and Sediment Yield from Rangeland, Kenneth G. Renard, IRKB:July 80:164
Estimating Sediment Yield from Cultivated Fields, George R. Foster, Leonard J. Lane and Walter G. Knisel, Jr., IRKB:July 80:151
European Dredging—A State of the Art, John F. Hoffman, CZ80:Nov 80:1621
Evaluating Hydrologic Responses to Forest Activities, Charles C. Avery and Malchus B. Baker, Jr., IRKB:July 80:485
Fluid Dynamic Lift on a Bed Particle, Timothy R.H. Davies and Mohamed F.A. Samad, HY8:Aug 78: 1171:13976
Food and Agricultural Policies, Earl O. Heady, WR1: Mar 79:151:14415
Geometry of Gravel Streams, Howard H. Chang, HY9:Sept 80:1443:15678
Geometry of Rivers in Regime, Howard H. Chang, HY6:June 79:691:14640
Gravel Barrier Genesis and Management: A Contrast, R. W.G. Carter and J. D. Orford, CZ80: Nov 80:1304
Hydrologic Effects of a Severe Forest Fire, J. D. Cheng, IRKB:July 80:240
Inception of Sediment Transport, Mehmet Selim Yalin and Emin Karahan, HY11:Nov 79:1433: 14975
Judiciously Planned Bench Scale Studies are Extremely Valuable in AWT Process Selection, Madan L. Arora, Margaret J. Bliss and Ken M. Trompeter, EE80:July 80:100
Laboratory Measurement of Sediment by Turbidity, Peter R.B. Ward and Remigio Chikwanha, HY6: June 80:1041:15470
Mathematical Modeling of Sediment Deposition in Reservoirs, Yung Hai Chen, Jose L. Lopez and Everett V. Richardson, HY12:Dec 78:1605:14250
Measurements of Bed Load in Oscillatory Flow, John F.A. Sleath, WW3:Aug 78:291:13960
Model for Suspended Sediment Transport, Peter M.J. Kerssens, Adry Prins and Leo C. van Rijn, HY5: May 79:461:14574
Modeling Alluvial Channel Bed Transients, Victor Miguel Ponce, Jesus Lopez Garcia and Daryl B. Simons, HY3:Mar 79:245:14456
North City West Drainage Investigation, James S. Jenks, Thomas C. MacDonald and Robert B. Ebert, HYUS:June 80:405
Performance of Package Water Treatment Plants, James M. Morand and Matthew J. Young, EE80: July 80:526
The Physical Impacts of Sand Removal From Rivers, Jimmy F. Harp and Joakim G. Laguros, IRKA:July 80:180
Predicting Sand Deposition at Porous Fences, Christopher J. Phillips and Brian B. Willetts, WW1: Feb 79:15:14379
Predicting Sediment Yield from Strip-Mined Land, Martin M. Fogel, Louis H. Hekman, Jr. and Lucien Duckstein, IRKB:July 80:176
Recent Geologic History of a Barrier Island, Richard D. Hobson, Robert K. Schwartz and Frank R. Musialowski, CZ80:Nov 80:850
Riverbed Improves over Time: South Fork Salmon, Walter F. Megahan, William S. Platts and Bert Kulesza, IRKB:July 80:380
Sand Motion Initiation by Waves: Two Asymptotes, Robert Hallermeier, WW3:Aug 80:299:15603
Secondary Treatment Alternatives: Suspended Growth, Gordon L. Culp, Chmn., EE2:Apr 79:283: 14528
Session IV—Non-Meteorologic Data, William R. Boggess, EFHYF:Mar 79:422
Settling in Continuous Sedimentation Tanks, J. Francisco Cordoba-Molina, Robert R. Hudgins and Peter L. Silveston, EE6:Dec 78:1261:14231
Settling Rates of Algae from Wastewater Lagoons, Susan E. Stutz-McDonald and Kenneth J. Williamson, EE2:Apr 79:273:14519
South Fork Salmon River—Future Management, Gene F. Cole and Walter F. Megahan, IRKB:July 80:396
Stable Alluvial Canal Design, Howard H. Chang, HY5:May 80:873:15420
Steepness of Sedimentary Dunes, Mehmet Selim Yalin and Emin Karahan, HY4:Apr 79:381:14502
Submersed Aquatic Vegetation in the Tidal Potomac, Virginia Carter, James E. Paschal, Jr. and G. Michael Haramis, CZ80:Nov 80:1537
Synthetic Drain Envelope—Soil Interactions, Lyman S. Willardson and Robert E. Walker, IR4:Dec 79: 367:15028
TEACUP Pretreatment of Wastewaters, George E. Wilson, EE80:July 80:651
Upgrading Lagoon Effluents with Rock Filters, Gregory R. Swanson and Kenneth J. Williamson, EE6:Dec 80:1111:15887
Watershed Management in Action on the Boise Front, Clifton W. Johnson, Glen M. Secrist, Gerald C. Scholten and Robert J. Baum, IRKB:July 80:998

Sedimentation Tanks

Optimal Design of High Rate Sedimentation Devices, Frank H. Verhoff, EE2:Apr 79:199:14512
Settling in Continuous Sedimentation Tanks, J. Francisco Cordoba-Molina, Robert R. Hudgins and Peter L. Silveston, EE6:Dec 78:1261:14231

Sediment Concentration

Sedimentation in Iron Gates Reservoir on the Danube, Vlad Focsa, HY10:Oct 80:1659:15782
Statistical Analysis of Concentration Records, Joe C. Willis and Gerald C. Bolton, HY1:Jan 79:1:14310

Sediment Control

A Design Model for Sediment Control on Mined Lands, Billy J. Barfield, L. G. Wells, B. Wilson, John S. Tapp and R. A. Uhl, IRKB:July 80:628
Erosion Modeling Approaches for Construction Sites, Richard C. Warner and Benjamin C. Dysart, III, IRKB:July 80:465
The Issue of Freshwater Inflow to Estuaries, Norman G. Benson, CZ80:Nov 80:1147
Sedimentation Control During Site Development, Michael L. Jones and Clyde B. Tatum, CO1:Mar 80:17:15236
Sediment Removal With Vegetal Filters, Clarence W. Robison and Charles E. Brockway, IRKA:July 80: 422

Sediment Deposits

Case Study—Stream Deposition and Changing Land Use, Gary R. Dyhouse and David T. Williams, IRKB:July 80:215
Chemical Flocculation in Coal Mine Sediment Ponds, John S. Tapp, Billy J. Barfield and Edward G. Foree, IRKB:July 80:615
Effect of Sediment on Advance Rates and Intake Rates, C. Dean Yonts, Walter L. Trimmer, Robert J. Edling and John Borrelli, IRKA:July 80:429
Environmental Information From Sediments, David P. Adam, EFHYF:Mar 79:206
Fire Rehab in the Bend Municipal Watershed, Bruce P. McCammon and Dallas Hughes, IRKB:July 80: 252
Human Influence on the Sediment Budget of a Barrier Island, Craig H. Everts, CZ80:Nov 80:863
Modeling Rill Density, Ruh-Ming Li, Victor Miguel Ponce and Daryl B. Simons, TN: IR1:Mar 80:63: 15230

Modeling Sediment Filtration by Vegetative Filters, Billy J. Barfield and J. C. Hayes, IRKB:July 80:98
Riverbed Improves over Time: South Fork Salmon, Walter F. Megahan, William S. Platts and Bert Kulesza, IRKB:July 80:380
Sediment from a Small Summer Grazed Watershed, David H. Fortier, Myron Molnau and Keith E. Saxton, IRKB:July 80:790
Sediment Modeling for the Sacramento River Diversion to the Peripheral Canal, Johannes J. DeVries, William J. Hartman and Jaime Amorocho, HYCO:Aug 80:463
TEACUP Pretreatment of Wastewaters, George E. Wilson, EE80:July 80:651
Tidal Inlet Effects on Barrier Island Management, Duncan M. FitzGerald and Miles O. Hayes, CZ80: Nov 80:2355
Use of Physical Data for Estimating Sediment Yield, Ronnie D. Clark, IRKB:July 80:836

Sediment Discharge
Dynamic Mathematical Modeling of Rill Erosion, Richard A. Rohlf and Michael E. Meadows, IRKB: July 80:13
Sediment Removal With Vegetal Filters, Clarence W. Robison and Charles E. Brockway, IRKA:July 80: 422

Sediment Load
Effect of Out-Of-Basin Water Diversions on Instream Flow Needs, Wayne S. Gentry, IRKA:July 80:52
Geometry of Gravel Streams, Howard H. Chang, HY9:Sept 80:1443:15678
Geometry of Rivers in Regime, Howard H. Chang, HY6:June 79:691:14640
Modeling Sediment Filtration by Vegetative Filters, Billy J. Barfield and J. C. Hayes, IRKB:July 80:98
Sediment Characteristics of the Tongue River Basin, Thomas J. Osborne and Charles B. Andrews, IRKB: July 80:114
Sediment Removal With Vegetal Filters, Clarence W. Robison and Charles E. Brockway, IRKA:July 80: 422
Statistical Analysis of Sediment Motions on Dunes, Che S. Hung and Hsieh Wen Shen, HY3:Mar 79: 213:14438

Sedimentology
A Design Model for Sediment Control on Mined Lands, Billy J. Barfield, L. G. Wells, B. Wilson, John S. Tapp and R. A. Uhl, IRKB:July 80:628

Sediment Production
Barrier Island Sedimentation Studies Program, Edward Meisburger, Leita J. Hulmes, Edward B. Hands, S. Jeffress Williams, Craig H. Everts, Dennis A. Prins, Richard D. Hobson and Kenneth Finkelstein, CZ80:Nov 80:810

Sediments
Compartmented Sediment Trap, Peter J. Murphy and Magdy I. Amin, HY5:May 79:489:14577
Computer Controlled Physical Model of the Sacramento River, Jaime Amorocho, William J. Hartman and Johannes J. DeVries, HYCO:Aug 80: 451
Convergence of Implicit Bed Transient Models, Victor Miguel Ponce, Horst Indlekofer and Daryl B. Simons, HY4:Apr 79:351:14493
Debris Flow on Prismatic Open Channel, Tamotsu Takahashi, HY3:Mar 80:381:15245
Developing Optimal River Basin Solutions for Alleviating Environmental Impacts from Irrigated Agriculture, Wynn R. Walker and Gaylord V. Skogerboe, IRKA:July 80:228
Effect of Sediment on Advance Rates and Intake Rates, C. Dean Yonts, Walter L. Trimmer, Robert J. Edling and John Borrelli, IRKA:July 80:429
Equipment for Investigations of Fluvial Sediment, Paul C. Benedict, HY3:Mar 79:163:14407
Evaluating Silvicultural Impacts on Water Resources, Gordon Snyder, IRKB:July 80:682
Fall Velocity of Shells as Coastal Sediment, Ashish J. Mehta, Jieh Lee and Bent A. Christensen, HY11: Nov 80:1727:15795
Flow Resistance in Cobble and Boulder Riverbeds, Daryl B. Simons, Khalid S. Al-Shaikh-Ali and Ruh-Ming Li, HY5:May 79:477:14576
Gravel Size Analysis from Photographs, John Adams, HY10:Oct 79:1247:14908
Localized Scour Below Submerged Vertical Gates, Hilmi Dogan Altinbilek and Yakup Basmaci, HYCO:Aug 80:39
Mathematical Modeling of Sediment Deposition in Reservoirs, Yung Hai Chen, Jose L. Lopez and Everett V. Richardson, HY12:Dec 78:1605:14250
Modeling Sediment Filtration by Vegetative Filters, Billy J. Barfield and J. C. Hayes, IRKB:July 80:98
Nonpoint Pollution from Agricultural Watersheds, James A. Ayars, John C. Inman and Gwendolyn McClung, IRKB:July 80:974
Sand Feeding by Elevator, H. J. Geldof and J. Groeneveld, TN: HY12:Dec 80:2055:15872
San Francisco Ocean Outfall Port Valve Development, Loring E. Hanson, Henry H.C. Lin, Allen L. Davis, John S. Readshaw and Robert T. Hudspeth, HYCO:Aug 80:51
Sediment Characteristics of the Tongue River Basin, Thomas J. Osborne and Charles B. Andrews, IRKB: July 80:114
Sediment-Morphology Relations of Alluvial Channels, Waite R. Osterkamp, IRKB:July 80:188
Sediment Oxygen Demand and Nutrient Release, Preston S. Chiaro and Dennis A. Burke, EE1:Feb 80:177:15206
Simulation of Sulfur Cycle in Estuarine Sediments, David A. Bella and Kenneth J. Williamson, EE1: Feb 80:125:15174
Statistical Properties of Sediment Bed Profiles, Hsieh Wen Shen and Hin Fatt Cheong, HY11:Nov 77: 1303:13348
Steepness of Sedimentary Dunes, Mehmet Selim Yalin and Emin Karahan, HY4:Apr 79:381:14502
Use of Physical Data for Estimating Sediment Yield, Ronnie D. Clark, IRKB:July 80:836
Watershed Parameters as Influenced by Grazing, W. H. Blackburn, R. W. Knight, M. K. Wood and L. B. Merrill, IRKB:July 80:552

Sediment Transport
Aggradation in Streams Due to Overloading, Jagdish P. Soni, Ramachandra J. Garde and Kittur G. Ranga Raju, HY1:Jan 80:117:15147
Case Study—Stream Deposition and Changing Land Use, Gary R. Dyhouse and David T. Williams, IRKB:July 80:215
Compartmented Sediment Trap, Peter J. Murphy and Magdy I. Amin, HY5:May 79:489:14577
Computation of Bed Load Using Bathymetric Data, Peter Engel and Y. Lam lau, HY3:Mar 80:369: 15255
Computer Controlled Physical Model of the Sacramento River, Jaime Amorocho, William J. Hartman and Johannes J. DeVries, HYCO:Aug 80: 451
Equipment for Investigations of Fluvial Sediment, Paul C. Benedict, HY3:Mar 79:163:14407
Erosion and Sediment Yield Models—An Overview, Walter G. Knisel, Jr., IRKB:July 80:141
European Dredging—A State of the Art, John F. Hoffman, CZ80:Nov 80:1621
Hydrologic Transport Model for Surface Mined Lands (Abstract), Mark E. Auernhamer, IRKB:July 80:911
Inception of Sediment Transport, Mehmet Selim Yalin and Emin Karahan, HY11:Nov 79:1433: 14975
Littoral Sand Transport from Longshore Currents, Todd L. Walton, Jr., TN: WW4:Nov 80:483:15793
Low Sediment Transport Rates Over Flat Beds, Peter A. Mantz, HY7:July 80:1173:15526
Measurements of Bed Load in Oscillatory Flow, John F.A. Sleath, WW3:Aug 78:291:13960
Model for Suspended Sediment Transport, Peter M.J. Kerssens, Adry Prins and Leo C. van Rijn, HY5: May 79:461:14574

Modeling of Sediment Transport in Cottonwood Creek, Alan L. Prasuhn and Edward F. Sing, HYCO:Aug 80:209
The Nearshore Sediment Transport Study, Richard J. Seymour, Preprint No.80-555, Oct 80, 7pp.
North City West Drainage Investigation, James S. Jenks, Thomas C. MacDonald and Robert B. Ebert, HYUS:June 80:405
Open Channel Flow with Suspended Sediments, Tadaoki Itakura and Tsutomu Kishi, HY8:Aug 80: 1325:15650
Overland/Instream Contaminant Migration Modeling, Stuart M. Brown and Yasuo Onishi, HYCO:Aug 80:397
Predicting Sand Deposition at Porous Fences, Christopher J. Phillips and Brian B. Willetts, WW1: Feb 79:15:14379
Recent Geologic History of a Barrier Island, Richard D. Hobson, Robert K. Schwartz and Frank R. Musialowski, CZ80:Nov 80:850
River Nutrient and Chemical Transport Estimation, Frank H. Verhoff, Stephen M. Yaksich and David A. Melfi, EE3:June 80:591:15456
Sediment Characteristics of the Tongue River Basin, Thomas J. Osborne and Charles B. Andrews, IRKB: July 80:114
Sediments Suspended in Stream Flow, Sergei M. Antsyferov and Ruben D. Kos'yan, HY2:Feb 80: 313:15216
Sediment Suspension in Turbulent Pipe Flow, Sheng T. Hsu, Andre van der Beken, Louis Landweber and John F. Kennedy, HY11:Nov 80:1783:15830
Sediment Transport in a Pool-Riffle Stream, James Milligan, Edward Chacho and Myron Molnau, IRKB:July 80:430
A Solute Transport Model for Tidal Canal Networks, Raymond Walton and Bent A. Christensen, HYUS: June 80:142
Statistical Analysis of Sediment Motions on Dunes, Che S. Hung and Hsieh Wen Shen, HY3:Mar 79: 213:14438
Steepness of Sedimentary Dunes, Mehmet Selim Yalin and Emin Karahan, HY4:Apr 79:381:14502
Theory of Minimum Rate of Energy Dissipation, Chih Ted Yang and Charles C.S. Song, HY7:July 79:769:14677
Tidal Inlet Effects on Barrier Island Management, Duncan M. FitzGerald and Miles O. Hayes, CZ80: Nov 80:2355
Turbidity and Suspended Sediment Relationships, Robert L. Beschta, IRKB:July 80:271

Sediment Yield

A Design Model for Sediment Control on Mined Lands, Billy J. Barfield, L. G. Wells, B. Wilson, John S. Tapp and R. A. Uhl, IRKB:July 80:628
Erosion and Sediment Yield Models—An Overview, Walter G. Knisel, Jr., IRKB:July 80:141
Estimating Erosion and Sediment Yield from Rangeland, Kenneth G. Renard, IRKB:July 80:164
Estimating Sediment Yield from Cultivated Fields, George R. Foster, Leonard J. Lane and Walter G. Knisel, Jr., IRKB:July 80:151
Geomorphic Indices of Hydrologic Characteristics, James R. Maxwell and Richard A. Marston, IRKB: July 80:1
Modeling Channel Processes with Changing Land Use, Leonard J. Lane and George R. Foster, IRKB: July 80:200
Predicting Sediment Yield from Strip-Mined Land, Martin M. Fogel, Louis H. Hekman, Jr. and Lucien Duckstein, IRKB:July 80:176
Use of Physical Data for Estimating Sediment Yield, Ronnie D. Clark, IRKB:July 80:836

Seeds

Coal Mine Reclamation with Native Plants, Lee E. Eddleman, IRKB:July 80:80

Seepage

Applications of Slurry Walls in Civil Engineering, Safdar A. Gill, CO2:June 80:155:15479
Canal Seepage with Boundary at Finite Depth, Heramb D. Sharma and Amrik S. Chawla, HY7: July 79:877:14715
Detection Methods for Location of Subsurface Water and Seepage, Robert M. Koerner, Jonathan S. Reif and Michael J. Burlingame, GT11:Nov 79:1301: 14989
Earth-Filled Slurry Walls Provide Economical Seepage Control, Ronald A. Antonino, CE:Apr 80: 72
Finite Element Schemes for Porous Elastic Media, Gerhard Krause, EM3:June 78:605:13851
Flow Net for Unsaturated Infiltration from Strip Source, Vedat Batu, IR3:Sept 79:233:14822
Gravel Barrier Genesis and Management: A Contrast, R. W.G. Carter and J. D. Orford, CZ80: Nov 80:1304
Ground-Water Flow Computations by Method of Lines, Antonis D. Koussis and Richard W. Watson, IR1:Mar 80:1:15238
Large Rubble-Mound Breakwater Failures, Eugene H. Harlow, TN: WW2:May 80:275:15385
Reducing Salt Pickup from Irrigated Lands, Wynn R. Walker, Gaylord V. Skogerboe and Robert G. Evans, IR1:Mar 79:1:14454
Seepage Cutoff Wall Installed Through Dam is Construction First, Frank B. Couch, Jr. and Arturo L. Ressi di Cervia, CE:Jan 79:62
Stochastic Model of Flow Through Stratified Soils, Elfatih M. Ali, Tien H. Wu and Nien Y. Chang, GT6:June 80:593:15487
Transient Seepage Analysis of Guri Dam, Chi-Yuan Wei and William Y.J. Shieh, TC1:Apr 79:135:14503
Unsaturated Flow Beneath Tailings Impoundments, David B. McWhorter and John D. Nelson, GT11: Nov 79:1317:14999
Value Engineering and Cement-Bentonite Cutoff Wall Save Dam Project for Arizona Indian Tribe, Eugene A. Miller and Gary S. Salzman, CE:Aug 80:51
Wave Forces on Pipeline Buried in Permeable Seabed, Hugh MacPherson, WW4:Nov 78:407: 14187

Seepage Control

Earth-Filled Slurry Walls Provide Economical Seepage Control, Ronald A. Antonino, CE:Apr 80: 72
Soil-Bentonite Slurry Trench Cutoffs, David J. D'Appolonia, GT4:Apr 80:399:15372

Segmented Elements

Exact Analysis of Class of Ring Segments, James Ting-Shun Wang, EM4:Aug 78:871:13924

Seismic Design

Aseismic Reinforcement of Existing Building, Nicholas F. Forell and Guy J.P. Nordenson, ST9: Sept 80:1907:15700
Aseismic 00320001 B_m d 28 Design Of A 31-Story Frame-Wall Building, Mark Fintel and S. K. Ghosh, EM81:Jan 81:874
Consideration of Seismic Hazards in Lifeline Design, A. H-S. Ang, C080:80:215
Design Seismic Accelerations in Buildings, Robert Smilowitz and Nathan M. Newmark, ST12:Dec 79: 2487:15066
Dynamic Seismic Analysis: Economic Considerations, C. K. McDonald, ST7:July 80:1531:15571
Earthquake Behavior Of One-Story Masonry Houses, Ray W. Clough, P. Gulkan and R. L. Mayes, EM81:Jan 81:517
Earthquake Engineering for Transportation Lifelines, James H. Gates, C080:80:166
Earthquake Response of Nuclear Power Facilities, James J. Johnson and Robert P. Kennedy, EY1:Jan 79:15:14296
Economic and Seismic Hazard Mitigation for a Gas and Electric Utility, Ricahrd V. Bettinger, C080:80: 98
Economic of Hazard Mitigation for Transportation Structures, John J. Kozak, C080:80:85
A Federal Perspective on Lifeline Seismic Safety, Richard J. Green, C080:80:1

Friction Devices To Control Seismic Response, Cedric Marsh and Avtar S. Pall, EM81:Jan 81:809
Gas and Liquid Fuel Pilpeline Seismic Design, William J. Hall and Robert P. Kennedy, C080:80: 150
Hazard Assessment of an Arch Dam in a Seismic Zone, Donald E. Bowes, Antonio X. Sison and Alan L. O'Neill, Preprint No.80-055, Apr 80, 30pp.
Increase Seismic Resistance Of Highway Bridges Using Improved Bearing Design concepts, Roy A. Imbsen and Richard V. Nutt, EM81:Jan 81:416
Inelastic Cyclic Behavior of Tubular Braced Frames, Egor P. Popov, Stephen A. Mahin and Victor A. Zayas, ST12:Dec 80:2375:15918
Low Cost Seismic Strengthening of a Power System, Otto W. Steinhardt, Preprint No.80-076, Apr 80, 15pp.
Nonlinear Analysis of Cold-Formed Steel Shear Diaphragms, Erdal Atrek and Arthur H. Nilson, ST3:Mar 80:693:15257
Oil Terminal Relocation at Long Beach, California, Charles F. Connors and Michael G. Burke, PO80: May 80:172
Seismic Analysis of Fossil-Fuel Boiler Structures, T. Y. Yang and M. I. Baig, ST12:Dec 79:2511:15063
Seismic Analysis of Some Steel Building Frames, Egor P. Popov and Vitelmo V. Bertero, EM1:Feb 80:75:15194
Seismic Behavior of Structural Subassemblages, Egor P. Popov, ST7:July 80:1451:15519
Seismic Design Criteria for Fossil Plant Structures, Sukhmander Singh, Mayasandra K. Ravindra and Thomas G. Longlais, Preprint No.80-647, Oct 80, 20pp.
Seismic Design Criteria for Gas and Liquid Fuel Pipelines, William J. Hall and Robert P. Kennedy, Preprint No.80-042, Apr 80, 22pp.
Seismic Design Criteria for Underground Pipelines, Leon Ru-Liang Wang and Raymond Chong-Yu Fung, TE6:Nov 80:747:15848
Seismic Design of Concrete Block Masonry Shear Walls, Robert E. Englekirk and Gary C. Hart, Preprint No.80-681, Oct 80, 13pp.
Seismic Design of Elevated Tanks, Robert S. Wozniak, Preprint No.80-067, Apr 80, 26pp.
Seismic Design of Highway Bridges in the United States, Roland L. Sharpe, Ronald L. Mayes and James D. Cooper, TC1:Aug 80:13:15604
Seismic Design of Liquid Storage Tanks, George W. Housner and Medhat A. Haroun, Preprint No.80-085, Apr 80, 21pp.
Seismic Design of Low-Rise Steel Buildings, C. James Montgomery and William J. Hall, ST10:Oct 79:1917:14919
Seismic Design of Oil Pipeline Systems, Robert P. Kennedy, Arthur C. Darrow and Stephen A. Short, TC1:Apr 79:119:14505
Seismic Design of Pumping Plants, Walter F. Anton, Preprint No.80-096, Apr 80, 22pp.
Seismic Design of Seattle Waterfront Facilities, Frank W. Pita, Bradley P. Erickson and Arthur J. O'Brien, Preprint No.80-136, Apr 80, 22pp.
Seismic Design of Underground Lifelines, Paul Weidlinger and Ivan Nelson, TC1:Aug 80:185: 15658
A Seismic Hazard Evaluation of California, Ronald T. Eguchi, C080:80, 66pp.
Seismic Hazards and Public Policy as Viewed by a Local Agency, James E. McCarty, C080:80:28
Seismic-Resistant Design Of Industrail Storage Racks, C. K. Chen, Roger E. Scholl and John A. Blume, EM81:Jan 81:745
Seismic Response of Cohesive Marine Soils, Chan-Feng Tsai, Ignatius Lam and Geoffrey R. Martin, GT9:Sept 80:997:15708
Seismic Shear Stresses in Buried Beams, T. Selcuk Atalik, TN: ST6:June 80:1361:15451
Seismic Support: Speedy Determination of Frequency, Anil K. Kar, ST7:July 79:1289:14672
Simulation of Water System Seismic Risk, Irving J. Oppenheim, TC2:Dec 79:327:15067
Soil-Structure Interaction in Seismic Analysis, Robert F. Oleck, Jr. and Samuel P. Clemence, Preprint No.80-037, Apr 80, 21pp.
Strong and Tough Concrete Columns for Seismic Forces, Lawrence Selna, Ignacio Martin, Robert Park and Loring Wyllie, ST8:Aug 80:1717:15596
The Use of Computers in Earthquake Engineering, Wayne W.H. Chen and M. Chatterjee, CP80:June 80:197
User-Oriented Programming, Christian Meyer, CP80: June 80:58

Seismic Investigations

Computer Controlled Seismic Performance Testing, Stephen A. Mahin and Mary E. Williams, EM81: Jan 81:616
Hybrid Modeling Of Seismic Soil-Structure Interaction, Sunil Gupta and Joseph Penzien, EM81:Jan 81:201
Measurements of On-Site Dynamic Parameters for Seismic Evaluations, Roger M. Zimmerman and Kenneth R. White, EM81:Jan 81:267
Seismic Hazards: A State Government Perspective, Priscilla C. Grew, C080:80:18
Time Variations of Structural Properties During Strong Ground Shaking, Firdaus E. Udwadia and Navin Jerath, EM1:Feb 80:111:15200

Seismic Properties

Seismic Behavior of Beam-to-Column Moment Connections and Joints, Helmut Krawinkler and Egor P. Popov, Preprint No.80-179, Apr 80, 22pp.

Seismic Stability

Earthquake Engineering for Transportation Lifelines, James H. Gates, C080:80:166
Evaluation Of Soil-Structure Interaction Methods, Anand K. Singh, Tzu-I Hsu, Tara P. Khatua and Shih-Lung Chu, EM81:Jan 81:580
Increase Seismic Resistance Of Highway Bridges Using Improved Bearing Design concepts, Roy A. Imbsen and Richard V. Nutt, EM81:Jan 81:416

Seismic Studies

Development of Expectancy Maps and Risk Analysis, Neville C. Donovan, Bruce A. Bolt and Robert V. Whitman, ST8:Aug 78:1179:13972
Lifeline Engineering Approach to Seismic Qualification, Thomas L. Anderson and Douglas J. Nyman, TC1:Apr 79:149:14531
Nonstationary Risk Model with Geophysical Input, Jean B. Savy, Haresh C. Shah and David Boore, ST1:Jan 80:145:15115
Probabilistic Procedures for Peak Ground Motions, John A. Blume and Anne S. Kiremidjian, ST11:Nov 79:2293:14976
A Seismic Hazard Evaluation of California, Ronald T. Eguchi, C080:80, 66pp.
Seismic Study Of Imperial County Services Building, Mehdi Saiidi, EM81:Jan 81:431
Seismic Zonation in the San Francisco Bay Region, Earl E. Brabb, C080:80:54
Uncertainties in Seismic Risk Procedures, Neville C. Donovan and Ann E. Bornstein, GT7:July 78:869: 13896

Seismic Surveys

Lifeline Engineering Approach to Seismic Qualification, Thomas L. Anderson and Douglas J. Nyman, TC1:Apr 79:149:14531

Seismic Tests

Computer Controlled Seismic Performance Testing, Stephen A. Mahin and Mary E. Williams, EM81: Jan 81:616
Traveling Wave Analysis Of A Large Foundation, Philip J. Richter and Elwood A. Smietana, EM81: Jan 81:401

Seismic Waves

Cross-Hole and Down-Hole V_s by Mechanical Impulse, Bruce Auld, GT12:Dec 77:1381:13397
Seismic Response of Hemispherical Foundation, Steven M. Day and Gerald A. Frazier, EM1:Feb 79:29:14339

Structural Response of Traveling Seismic Waves, Stuart D. Werner, Li Chi Lee, Hung Leung Wong and Mihailo D. Trifunac, ST12:Dec 79:2547:15059
Traveling Wave Analysis Of A Large Foundation, Philip J. Richter and Elwood A. Smietana, EM81: Jan 81:401

Seismology
A Seismo-Tectonic Study of the Western Narmada Valley Using Landsat Imagery, S. N. Pandey, ASDC:80:171

Seismometers
Materials Availability Study of the Dickey-Lincoln Dam Site, Carolyn J. Merry, Harlan L. McKim and Edwin A. Blackey, Jr., ASDC:80:158

Selection
Recommended Procedure for Computer Selection, J. Crozier Brown, TC2:Dec 79:319:15071

Selenium
Fluoride, Nitrate, Arsenic, and Selenium Removal From Small Community Water Supplies, Dennis Clifford, Maheyar Bilimoria, Gurinder Singh and Tom Sorg, EE80:July 80:514

Sensitivity Analysis
Modeling Channel Processes with Changing Land Use, Leonard J. Lane and George R. Foster, IRKB: July 80:200
Modeling Hourly Water Temperature Dynamics, Russ T. Brown, HYCO:Aug 80:25
Sensitivity Analyses of Wastewater Treatment Plant Design Parameters, Karl G. Voelkel and Lawrence B. Polkowski, EE80:July 80:307

Sensors
An Operational Data Acquisition System Using Meteor Burst Technology, Manes Barton and Michael Burke, ASDC:80:346

Separation
Flow Visualization in Complex Turbulent Flows, Louis H.Y. Lee and Joseph A. Clark, HY2:Feb 80: 247:15209
Visualization of Separation Over Sand Waves, M. Emin Karahan and Allan W. Peterson, HY8:Aug 80:1345:15652

Separation Techniques
Decomposition in Optimum Structural Design, Uri Kirsch and Fred Moses, ST1:Jan 79:85:14320

Separators
Environmental Problems and Products, Philip V. DiVietro, CE:Sept 79:94

Septic Tanks
Evapotranspiration Bed Design, Arthur F. Beck, TN: EE2:Apr 79:411:14474
Ground-Water Pollution by Septic Tank Drainfields, Foppe B. DeWalle and Russell M. Schaff, EE3:June 80:631:15496
Managed On-Site Disposal in Unsewered Areas, George E. Wilson, Jerry Y.C. Huang, George Tchobanoglous and Gil Wheeler, EE3:June 79:583: 14619
Multichamber Septic Tanks, Rein Laak, EE3:June 80: 539:15472
The Need for On-Site Sewage Disposal in South Florida, Eleazer L. Greenstein, Preprint No.80-566, Oct 80, 3pp.
Prediction of Septic-System Failures, Gary B. Saxton and Joseph M. Zeneski, EE3:June 79:503:14609
Septic System Problems on an Urban Fringe, Darryl R. Goehring and F. Robert Carr, WR1:Mar 80:89: 15278
Septic Tank Systems — Effects on Evironmental Quality, Thiruvenkatachari Viraraghavan, Preprint No.80-601, Oct 80, 12pp.
Stormwater Management In Coastal North Carolina, Neil S. Grigg, Alfred M. Duda and John Morris, HYUS:June 80:33

Serviceability
Fatigue Behavior and Design of Ferrocement Beams, Perumalsamy N. Balaguru, Antoine E. Naaman and Surendra P. Shah, ST7:July 79:1333:14671
Inelasticity of Reinforced Concrete and Structural Standards, M. Z. Cohn, ST11:Nov 79:2221:14985

Service Contracts
The Computer Service Bureau: What Role Today?, Michael P. Ingardia, CE:Apr 79:76

Services
Distributing Regional Services Costs, Lewis A. Rossman and Patricia Ann Graham, UP1:Jan 79:51: 14284

Servomechanisms
Optimal Control of Civil Engineering Structures, Mohamed Abdel-Rohman, Victor H. Quintana and Horst H. Leipholz, EM1:Feb 80:57:15192

Set Theory
Entropy Constructed Probabilities, Colin B. Brown, EM4:Aug 80:633:15635
The Merging of Fuzzy and Crisp Information, Colin B. Brown, EM1:Feb 80:123:15201

Settlement (Structural)
Consolidation and Strength Properties of a Clay, Tien H. Wu, Nien Y. Chang and Elfatih M. Ali, GT7: July 78:889:13891
Equivalent Linear Model for Predicting Settlements of Sand Bases, Issa S. Oweis, GT12:Dec 79:1525: 15051
Foundation Performance of Tower of Pisa, James K. Mitchell, Vitoon Vivatrat and T. William Lambe, GT3:Mar 77:227:12814
Foundation Response Caused by Disturbance of Clay, Richard P. Weber, GT5:May 78:583:13765
Group Factors for Pile-Deflection Estimation, Harry G. Poulos, GT12:Dec 79:1489:15032
Laboratory Tests on Model Piled Raft Foundations, Terence J. Wiesner and Peter T. Brown, GT7:July 80:767:15576
Lime Columns—A New Foundation Method, Bengt B. Broms and Per Boman, GT4:Apr 79:539:14543
Monitoring a Building Designed to Settle, Henry T. Taylor and Thomas D. Wosser, Preprint No.80-529, Oct 80, 16pp.
New Cell For Study of Swelling Soils, Gerard Didier, Richard Kastner and Yvan Bourdeau, SLS:June 80: 18
Settlement Comparison Used in Tank-Failure Study, Roy A. Bell and Jun Iwakiri, GT2:Feb 80:153: 15219
Settlement-Induced Forces in Concrete Bridges, Alfred G. Bishara and Shih-Zong Jang, ST7:July 80:1423:15522
Settlement of Single Piles in Nonhomogeneous Soil, Harry G. Poulos, GT5:May 79:627:14575
Settlements of Immersed Tunnels, Birger Schmidt and Walter C. Grantz, GT9:Sept 79:1031:14811
The Structural Analysis of Footings on Expansive Soil, P. W. Mitchell, SLS:June 80:438
Tolerable Settlement of Buildings, Harvey E. Wahls, Preprint No.80-551, Oct 80, 14pp.

Settlement Analysis
One-Dimensional Consolidation Problems, Roy E. Olson and Charles C. Ladd, GT1:Jan 79:11:14330
Settlements of Immersed Tunnels, Birger Schmidt and Walter C. Grantz, GT9:Sept 79:1031:14811
Stress-Path Influence on Drained Deformations of Clay, Chitta R. Gangopadhyay, Subhas C. Das and Nitin N. Som, GT11:Nov 80:1243:15807

Settlement Control
Sand to Sandstone: Foundation Strengthening with Chemical Grout, Edward D. Graf and Edwin G. Zacher, CE:Jan 79:67
101 Uses for Earth Reinforcement, Michael J. Bartos, Jr., CE:Jan 79:51

Settlers (Separators)
Final Clarifiers for Activated Sludge Plants, Shankha K. Banerji, Chmn., EE5:Oct 79:803:14930
Optimal Design of High Rate Sedimentation Devices, Frank H. Verhoff, EE2:Apr 79:199:14512

Settling Basins
Dynamic Estimation of Settling Basin Performance, Sadataka Shiba, Yoriteru Inoue and Yasuyo Ueda, EE6:Dec 79:1113:15045
Recent Designs of Inlet Systems for Irrigation Pipelines, Karl D. Larson, IRKA:July 80:291

Settling Velocity
Fall Velocity of Shells as Coastal Sediment, Ashish J. Mehta, Jieh Lee and Bent A. Christensen, HY11: Nov 80:1727:15795

Sewage
Erosion by Circular Wall Jets in Cross Flow, Nallamuthu Rajaratnam, HY11:Nov 80:1867:15842
Formulating Utah's Seismic Policy for Lifelines, Delbert B. Ward and Craig E. Taylor, C080:80:202
Port Reception Facilities and the Coastal Zone, Henry S. Marcus, CZ80:Nov 80:1594

Sewage Disposal
Bouyant Jet Behavior Near the Maximum Rise, Roger B. Wallace and Steven J. Wright, HYCO: Aug 80:356
Desk Calculator Model for Wastewater Planning, Donald T. Lauria, EE1:Feb 79:113:14390
Land Treatment Design Based on Long-Term Operation, Daniel J. Hinrichs and Richard Thomas, EE80:July 80:355
Multichamber Septic Tanks, Rein Laak, EE3:June 80: 539:15472
The Need for On-Site Sewage Disposal in South Florida, Eleazer L. Greenstein, Preprint No.80-566, Oct 80, 3pp.
Planning for Water Quality: 1776 to 1976, Donald L. Hey and W. Henry Waggy, WR1:Mar 79:121: 14440
Prediction of Septic-System Failures, Gary B. Saxton and Joseph M. Zeneski, EE3:June 79:503:14609
Sewage Irrigation and Recharge Consequences, Oahu, Gordon L. Dugan and L. Stephen Lau, Preprint No.80-075, Apr 80, 21pp.
Sewage Treatment Site Selection, Phillip Island, Victoria, R. W.G. Evans and O. J. Scroggie, ASDC: 80:140
Two-Dimensional Buoyant Jets in Stratified Fluid, Steven J. Wright and Roger B. Wallace, HY11:Nov 79:1393:15003

Sewage Effluents
Activated Sludge Effluent Quality Distribution, Wendell H. Hovey, Edward D. Schroeder and George Tchobanoglous, EE5:Oct 79:819:14880
Aerosols in the Treatment Plant Environment, C. Richard Walter and Guy D. Van Doren, EE80:July 80:488
Analysis and Design of Equalization Facilities, Gilles G. Patry, EE80:July 80:183
Biological Oxidation of Coke Plant Effluent, Richard G. Luthy and Lisa D. Jones, TN: EE4:Aug 80:847: 15588
Broad Area Searches for Hazardous Waste Disposal, Allen W. Hatheway, Pickett T. Simpson and John L. Splendore, EE80:July 80:329
Campbellsville, Ky. First Plant in U.S. to Use Carrousel Process, CE:May 79:65
A Cheap Solution to Pollution from Combined-Sewer Overflows, CE:Nov 79:83
Chlorine Effect on Secondary Effluent Filtration, Andrew K. Hsiung, TN: EE3:June 80:649:15447
Design Effluent Quality, Ralph E. Roper, Jr., Roger O. Dickey, Stephen Marman, Steve W. Kim and Robert W. Yandt, EE2:Apr 79:309:14518
Duluth Sanitary District First in U.S. to Take Charge of Both Sewage and Refuse, Eugene E. Dallaire, CE:June 80:60
Effluent Irrigation at Lubbock, Texas, Robert M. Sweazy, Heyward R. Ramsey, III and George A. Whetstone, EE80:July 80:357
Effluent Irrigation of Coastal Bermuda Grass, Allen R. Overman, EE1:Feb 79:55:14359
Energy and Costs for Agricultural Reuse of Wastewater, R. S. Sletten, Sherwood C. Reed and Eddie J. Middlebrooks, EE80:July 80:339
EPA Goes to BAT Against Toxic Industrial Wastewater, Michael J. Bartos, Jr., CE:Sept 79:87
Evapotranspiration Bed Design, Arthur F. Beck, TN: EE2:Apr 79:411:14474
Honolulu Sewage Plant Pioneers Advanced Primary Treatment, Has Deepest Ocean Outfall, Wallace S. Miyahira and Stanley T. Yamanaka, Jr., CE:June 79:76
Settling Rates of Algae from Wastewater Lagoons, Susan E. Stutz-McDonald and Kenneth J. Williamson, EE2:Apr 79:273:14519
Sewage Treatment Site Selection, Phillip Island, Victoria, R. W.G. Evans and O. J. Scroggie, ASDC: 80:140
Spray Application of Wastewater Effluent in a Cold Climate: Performance Evaluation of a Full-Scale Plant, E. Allan Cassell, Donald W. Meals, J. R. Bouzoun, C. James Martel and Wallace A. Bronson, EE80:July 80:620
Transport of Viruses through Organic Soils and Sediments, Phillip R. Scheuerman, Gabriel Bitton, Allen R. Overman and George E. Gifford, EE4: Aug 79:629:14756
Trickle Irrigation Using Treated Wastewaters, Gideon Oron, Gedaliah Shelef and Berta Turzynski, IR2: June 79:175:14611
Zero Discharge Waste Management for a Coal-Fired Power Plant under Environmental and Resource Constraints, R. T. Fellman, M. F. Kuo, H. H. Yeh and J. F. Fitzpatrick, EE80:July 80:221

Sewage Filtration
Effectiveness of Backwashing for Wastewater Filters, John L. Cleasby and James C. Lorence, EE4:Aug 78:749:13967

Sewage Sludge
Air Pollutants from Sewage Sludge Incineration, Thomas T. Shen, EE1:Feb 79:61:14370
Anaerobic Digestion of Waste and Activated Sludge, James M. Gossett and Roy L. Belser, EE80:July 80:33
Biological Drying of Sewage Sludge—A New Composting Process, F. C. Miller, S. T. McGregor, M. S. Finstein and J. Cirello, EE80:July 80:40
Comparative Metals Precipitation Techniques, Lynn P. Croy and William R. Knocke, EE80:July 80:534
Effective Sludge Disposal — A Question of Policy, Martin Lang, EE80:July 80:664
Entrenchment of Sewage Sludge—a Disposal-Use Alternative, L. J. Sikora and D. Colacicco, CE:Apr 80:80
Heat Treatment and Vacuum Filtration of Metal-Laden Municipal Sludge, Bert L. Michalczyk and Ronald F. Wukasch, EE80:July 80:25
Metals Removal from Wastewater Sludges with Liquid-Ion Exchange, David A. Cornwell and Gary C. Cline, EE80:July 80:540
Pretreatment of Sewage for Heavy Metal Removals, Ju-Chang Huang and Patrick M. McCole, EE80: July 80:236
A Review of Design Fundamentals is Needed, Mark J. Hammer, EE80:July 80:167

Sewage Treatment
Advanced Waste Treatment Investments, George K. Young, EE4:Aug 80:681:15597
Aquaculture Systems for Wastewater Treatment, Edward R. Pershe, EE80:July 80:103
Atmospheric Sublayer Transport and Odor Control, George E. Wilson, Jerry Y.C. Huang and Terry W. Schroepfer, EE2:Apr 80:389:15358
Campbellsville, Ky. First Plant in U.S. to Use Carrousel Process, CE:May 79:65

Declining-Rate Versus Constant-Rate Filtration, Luiz Di Bernardo and John L. Cleasby, EE6:Dec 80: 1023:15891
Design Criteria for Aerobic Aerated Lagoons, Dhandapani Thirumurthi, EE1:Feb 79:135:14392
Design Effluent Quality, Ralph E. Roper, Jr., Roger O. Dickey, Stephen Marman, Steve W. Kim and Robert W. Yandt, EE2:Apr 79:309:14518
Diffusion and Reaction in Biological Nitrification, Enrique J. LaMotta and Wen K. Shieh, EE4:Aug 79:655:14759
Economic Analysis of Granular-Bed Filtration, Raymond D. Letterman, EE2:Apr 80:279:15337
Effect of Design on Economy of Aerobic Digestion, Otto Brody, EE2:Apr 79:383:14547
Efficiences of Advanced Waste Treatment Obtained with Upgraded Trickling Filters, Dan P. Morris, Denny S. Parker, Marvin L. Daniels and Eben L. Owens, CE:Sept 80:78
Energy Conservation in Activated Sludge Systems, Sal D'Angelo, H. David Stensel and J. C. Goldman, EE4:Aug 80:773:15636
Environmental Effects of Water Reuse Scheme, Emanuel Idelovitch, EE3:June 80:561:15466
Expansion of Effluent Constrained Treatment Plants, Brian J. Williams, EE3:June 80:571:15469
Ground-Water Quality at Rapid Infiltration Site, James V. Olson, Ronald W. Crites and Paul E. Levine, EE5:Oct 80:885:15768
Health Aspects of Water Reuse in California, James Crook, EE4:Aug 78:601:13928
Heat Treatment and Vacuum Filtration of Metal-Laden Municipal Sludge, Bert L. Michalczyk and Ronald F. Wukasch, EE80:July 80:25
Honolulu Sewage Plant Pioneers Advanced Primary Treatment, Has Deepest Ocean Outfall, Wallace S. Miyahira and Stanley T. Yamanaka, Jr., CE:June 79:76
Hydraulic Considerations in Declining-Rate Filtration, John L. Cleasby and Luiz Di Bernardo, EE6:Dec 80:1043:15892
Ideal Flow Patterns for Equalization Basins, Ely Anthony R. Ouano, TN: EE4:Aug 78:817:13913
Kinetics of Bacterial Deactivation with Chlorine, Robert E. Selleck, Bernard M. Saunier and Harvey F. Collins, EE6:Dec 78:1197:14247
Kinetics of Pure Oxygen Activated Sludge, Gedaliah Shelef and Michal Green, EE6:Dec 80:1099:15884
Minimizing Treatment Costs in Multiplant Settings, J. Jeffrey Peirce, Erhard F. Joeres and Martin H. David, WR2:July 80:427:15557
New Approach to Bacterial Kinetics in Wastewater, Graham F. Andrews and Chi Tien, EE6:Dec 77: 1057:13418
Planning for Water Quality: 1776 to 1976, Donald L. Hey and W. Henry Waggy, WR1:Mar 79:121: 14440
Public Water Supply Protection Benefits, Michael B. Sonnen, EE3:June 79:511:14604
Regionalization: Where Are We Now in Palm Beach County, Richard D. Stalker, Preprint No.80-67, Oct 80, 13pp.
A Review of Design Fundamentals is Needed, Mark J. Hammer, EE80:July 80:167
Settling Rates of Algae from Wastewater Lagoons, Susan E. Stutz-McDonald and Kenneth J. Williamson, EE2:Apr 79:273:14519
Sewage Treatment Costs: Assessing the Impact on Communities, Lawrence B. Cahill and Heather L. Burns, EE80:July 80:191
Sewage Treatment Site Selection, Phillip Island, Victoria, R. W.G. Evans and O. J. Scroggie, ASDC: 80:140
Simulation Modeling of Primary Clarifiers, Raymond L. Alarie, Edward A. McBean and Grahame J. Farquhar, EE2:Apr 80:293:15312
Soil Chemistry Changes at Rapid Infiltration Site, Paul E. Levine, Ronald W. Crites and James V. Olson, EE5:Oct 80:869:15767
Stochastic Approach to Waste Treatment Planning, Roger D. Hansen, A. Bruce Bishop and Rangesan Narayanan, WR1:Mar 80:275:15265
Stochastic Design of Flow Equilization Basins, Campbell D. MacInnes, Andrew C. Middleton and Kazimierz Adamowski, EE6:Dec 78:1275:14251
TEACUP Pretreatment of Wastewaters, George E. Wilson, EE80:July 80:651
Upgrading Lagoon Effluents with Rock Filters, Gregory R. Swanson and Kenneth J. Williamson, EE6:Dec 80:1111:15887
Wetlands for Tertiary Treatment of Wastewater, Walter R. Fritz and Steven C. Helle, Preprint No.80-594, Oct 80, 9pp.
Will EPA Relax Its Mandatory Secondary Treatment Requirement?, Eugene E. Dallaire, CE:June 79:88

Sewage Treatment Plants

Aerosols in the Treatment Plant Environment, C. Richard Walter and Guy D. Van Doren, EE80:July 80:488
Air Quality Modeling of A Sewage Treatment Plant, Walter G. Hoydysh and Richard P. Barth, EE80: July 80:494
Codisposal of Sludge and Refuse, William F. Cosulich and Miro Dvirka, EE80:July 80:592
Extended Aeration Treatment at Maryland State Parks, James E. Alleman and Joanne S. Colt, EE80:July 80:175
Indicator Pile and Load Test Program, Oliver H. Gilbert, Jr., Mahmut Otus and Joseph Corollo, GTDF:80:122
Large Advance Waste Treatment Plants, Donald E. Eckmann, TN: EE4:Aug 80:840:15588
Largest Rotating Biological Contactor Plant Also First to Remove Nitrogen, Eugene E. Dallaire, CE: Jan 79:70
Modeling Combined Sewer Storage Alternatives, Gregory L. Shahabian, Anthony J. Graham and George E. Kamedulski, EE80:July 80:480
Municipal Wastewater Treatment Plant Pioneers in Conservation Approach, Robert F. Bonner, Jr., CE: July 80:57
A Review of Design Fundamentals is Needed, Mark J. Hammer, EE80:July 80:167
Sewage Treatment Costs: Assessing the Impact on Communities, Lawrence B. Cahill and Heather L. Burns, EE80:July 80:191
Sewage Treatment Site Selection, Phillip Island, Victoria, R. W.G. Evans and O. J. Scroggie, ASDC: 80:140
Spray Application of Wastewater Effluent in a Cold Climate: Performance Evaluation of a Full-Scale Plant, E. Allan Cassell, Donald W. Meals, J. R. Bouzoun, C. James Martel and Wallace A. Bronson, EE80:July 80:620
Storm Water Treatment with Minor Plant Alterations, George R. Brower, Robert H. Brotherton and John B. Kincaid, EE80:July 80:472

Sewer Pipes

Five Years of Sewer System Evaluation, Alberto F. Gutierrez and J. Harry Rowell, EE6:Dec 79:1149: 15039

Sewers

ADAPT: The Use of Complex Models with a Geographic Data Base, Richard M. Males, SU80: June 80:215
Computer Geographic Base Files for Sanitary Sewers, Christina R. Palmerlee, Thomas M. Palmerlee and Dyan C. Conway, CP80:June 80:295
Five Years of Sewer System Evaluation, Alberto F. Gutierrez and J. Harry Rowell, EE6:Dec 79:1149: 15039
New Approach to Storm Drainage Pipe Design, Gary Lockwood, CE:Mar 80:59
Optimal Control of Unsteady Combined Sewer Flow, John W Labadie, Dennis M. Morrow and Yung Hai Chen, WR1:Mar 80:205:15233
Planning for Water Quality: 1776 to 1976, Donald L. Hey and W. Henry Waggy, WR1:Mar 79:121: 14440
Reducing Sewer Infiltration/Inflow, Kelly M. Peil and Douglas S. Diehl, CE:Dec 79:50

Storm Water Treatment with Minor Plant Alterations, George R. Brower, Robert H. Brotherton and John B. Kincaid, EE80:July 80:472
SWMM Application to Combined Sewerage in New Haven, Joseph A. Cermola, Sergio DeCarli, Dev R. Sachdev and Hassan M. El-Baroudi, EE6:Dec 79: 1035:15042
Unsteady Flow Computation for Full Storm Sewer, Larry F. Land and Harvey E. Jobson, TN: HY8: Aug 80:1389:15590
Urban Runoff Management: Future Modeling, Harry C. Torno, TC1:Aug 80:165:15626
Urban Storm Sewer Flows in Coastal Areas, Chintu Lai, HYUS:June 80:244
Water Resources for Chicago — History and Furure, Forrest C. Neil and Frank E. Dalton, WR1:Mar 80: 173:15269

Sextants
Wetland Surveying and Mapping, Carvel H. Blair, SU1:Nov 79:23:14953

Shaft Resistance (Piles)
Instrumented Drilled Shafts in Clay-Shale, Patrick M. Goeke and Paul A. Hustad, Aff., GTDF:80:149
Shaft Resistance of Rock-Socketed Drilled Piers, Robert G. Horvath and T. Cameron Kenney, GTDF:80:182

Shafts
Repeated Loading on Single Piles in Sand, Sin-Fatt Chan and Thomas H. Hanna, GT2:Feb 80:171: 15222
Uplift Testing of Model Drilled Shafts in Sand, Fred H. Kulhawy, David W. Kozera and James L. Withiam, GT1:Jan 79:31:14301

Shafts (Excavations)
Instrumented Drilled Shafts in Clay-Shale, Patrick M. Goeke and Paul A. Hustad, Aff., GTDF:80:149
Mixed Face Tunneling on Melbourne Underground, Alfred M. Petrofsky, CO3:Sept 80:409:15695

Shaft Spillways
Size Determination of Partly Full Conduits, Yusuf G. Mussalli, HY7:July 78:959:13862

Shake Table Tests
Dynamic Analysis of Cable-Hung Ruck-A-Chucky Bridge, Zung-An Lu, ST10:Oct 79:2009:14918
Experimental Seismic Study of Cylindrical Tanks, Ray W. Clough, Akira Niwa and Douglas P. Clough, ST12:Dec 79:2565:15062
Lifeline Engineering Approach to Seismic Qualification, Thomas L. Anderson and Douglas J. Nyman, TC1:Apr 79:149:14531
Seismic-Resistant Design Of Industrail Storage Racks, C. K. Chen, Roger E. Scholl and John A. Blume, EM81:Jan 81:745
Shaking Table Earthquake Response of Steel Frame, David T. Tang and Ray W. Clough, ST1:Jan 79: 221:14324

Shale
Capacities of Steel H Piles Supported in Shale, Larry G. O'Dell and Alan N. Stilley, GTDF:80:288
Geomorphic Indices of Hydrologic Characteristics, R. B. White and Richard H. Hawkins, IRKB:July 80: 54

Shales
Phosphate Mining in Southeast Idaho, Edward B. Connors, IRKB:July 80:867
Water Resources Implications of Energy Development, Jeffrey S. Mahan and Jay D. White, EY1:Apr 80:45:15366

Shallow Foundations
Expansive Clay Hazards for Shallow Foundations, Michael W. O'Neill and Nader Poormoayed, Preprint No.80-081, Apr 80, 30pp.

Shallow Water
Direct Solution of Wave Dispersion Equation, John N. Hunt, TN: WW4:Nov 79:457:14944
Shallow Water Surface Wave Elevation Distributions, Edward F. Thompson, TN: WW2:May 80:285: 15385
Two-Dimensional Heated Jets in Shallow Water, Bruce McEnroe and Subhash C. Jain, EY1:Apr 80: 33:15349

Shape
Harmonic Shape and Optimum Design, Rowland Richards, Jr. and Gordon S. Bjorkman, Jr., EM6: Dec 80:1125:15889
Optimum Cable Configuration for Air-Supported Structures, David J. Malcolm and Peter G. Glockner, ST2:Feb 79:421:14381
Shape Optimization of Trusses, M. P. Saka, ST5:May 80:1155:15437

Shear
Analysis of Stiffened Slabs-on-Ground over Expansive Soil, Warren K. Wray, SLS:June 80:558
Dynamics of Growth and Breakage of Alum Floc in Presence of Fluid Shear, John D. Boadway, EE5: Oct 78:901:14084
Laterally Loaded Flexible Diaphragm Buildings, Avigdor V. Rutenberg, TN: ST9:Sept 80:1969: 15667
Microscopic Study of Mechanisms in Soils, Tamotsu Matsui, Tomio Ito, James K. Mitchell and Nobuharu Abe, GT2:Feb 80:137:15221
Nonlinear Analysis of Cold-Formed Steel Shear Diaphragms, Erdal Atrek and Arthur H. Nilson, ST3:Mar 80:693:15257
Nonlinear Elastic Analysis of Panelized Shear Sandwich Walls, Paul P. Fazio and Santi Rizzo, ST6:June 79:1187:14649
Shear Centers, Wan T. Tsai, TN: EM5:Oct 79:893: 14871
Shear Flexibility, Soren Lindgren, TN: ST10:Oct 79: 2117:14873
Shear Stiffness of Concrete by Finite Elements, Michael N. Fardis and Oral Buyukozturk, ST6:June 80:1311:15463
Solutions Using Conjugate Elements, Abdul K. Abdul-Shafi, TN: ST11:Nov 80:2339:15792
Tension and Tension-Shear Fractures in Cements and Concretes, Michael A. Taylor, FIC:Oct 80
Verification of Non-Linear Effective Stress Model in Simple Shear, W. D. Liam Finn and Shobha K. Bhatia, Preprint No.80-520, Oct 80, 13pp.

Shear Distribution
Dynamic Mathematical Modeling of Rill Erosion, Richard A. Rohlf and Michael E. Meadows, IRKB: July 80:13
Secondary Flow and Shear Stress at River Bends, James C. Bathurst, Colin R. Thorne and Richard D. Hey, HY10:Oct 79:1277:14906
Shear Transfer in Cracked Reinforced Concrete, Richard N. White, Peter Gergely and Rafael Jiminez, Preprint No.80-115, Apr 80, 19pp.

Shear Failure
Prestressed Concrete Beams with Transverse Circular Holes, Sk. Abdus Salam and Jack Harrop, ST3:Mar 79:635:14465

Shear Flow
Experiments in Longitudinal Dispersion with Dead Zones, Eric M. Valentine and Ian R. Wood, HY8: Aug 79:999:14790
Flow Visualization in Complex Turbulent Flows, Louis H.Y. Lee and Joseph A. Clark, HY2:Feb 80: 247:15209
Shearing Flows of Granular Materials, Stephen L. Passman, Jace W. Nunziato, Paul B. Bailey and John P. Thomas, Jr., EM4:Aug 80:773:15647
Unsteady Features of Flow Past a Cavity, Donald Rockwell and Charles Knisely, HY8:Aug 79:969: 14773

Shear Forces
Composite Beams with Web Openings, Stuart E. Swartz and Krigo S. Eliufoo, TN: ST5:May 80: 1203:15384

Shear Modulus
Analysis of Earth Dam Response to Earthquakes, Ahmed M. Abdel-Ghaffar and Ronald F. Scott, GT12:Dec 79:1379:15033
Anisotropic Shear Modulus due to Stress Anisotropy, Stephan K. Roesler, GT7:July 79:871:14692
Dynamic Shear Modulus of Treated Expansive Soils, Wing-Cheong Au and Yong S. Chae, GT3:Mar 80: 255:15287
Fundamental Analysis of Aggregate Interlock, Joost C. Walraven, Preprint No.80-011, Apr 80, 29pp.
Sample Disturbance and Stress-Strain Behavior, Vincent P. Drnevich and Karl Rainer Massarsch, GT9:Sept 79:1001:14809
Shear Moduli and Damping Factors of Earth Dam, Ahmed M. Abdel-Ghaffar and Ronald F. Scott, GT12:Dec 79:1405:15034

Shear Properties
Dynamic Mathematical Modeling of Rill Erosion, Richard A. Rohlf and Michael E. Meadows, IRKB: July 80:13
Shear Transfer in Reinforced Concrete with Small Crack Widths, Hans W. Reinhardt and Joost C. Walraven, Preprint No.80-012, Apr 80, 20pp.

Shear Rate
Sediment Modeling for the Sacramento River Diversion to the Peripheral Canal, Johannes J. DeVries, William J. Hartman and Jaime Amorocho, HYCO:Aug 80:463
Transfer Coefficients in Stratified Channel Flow, Richard H. French, HY9:Sept 79:1087:14808

Shear Resistance
Cyclic Response Of Steel-Stud Framed Wall Panels, Thomas S. Tarpy, Jr., EM81:Jan 81:631
Cyclic Shear Resistance of Noncohesive Soils, Edward G. Prater, TN: GT1:Jan 80:111:15100
Microscopic Study of Mechanisms in Soils, Tamotsu Matsui, Tomio Ito, James K. Mitchell and Nobuharu Abe, GT2:Feb 80:137:15221

Shear Strain
Definition of Terms Related to Liquefaction, William F. Marcuson, III, Chmn., GT9:Sept 78:1197:14037

Shear Strength
Anisotropic Undrained Stress-Strain Behavior of Clays, Jean-Herve Prevost, GT8:Aug 78:1075: 13942
Behavior of Destructured Natural Clays, Serge Leroueil, Francois A. Tavenas, Francoise Brucy, Pierre La Rochelle and Marius Roy, GT6:June 79: 759:14657
Cam-Clay Predications of Undrained Strength, Paul W. Mayne, GT11:Nov 80:1219:15816
Combined Torsion, Bending, and Shear on L-Beams, K. S. Rajagopalan, ST12:Dec 80:2475:15944
Cone Resistance as Measure of Sand Strength, James K. Mitchell and Tom A. Lunne, GT7:July 78:995: 13901
Corrugated Shear Diaphragms, Kinh H. Ha, ST3:Mar 79:577:14449
Cyclic Stress-Strain History and Shear Characteristics of Clay, Tamotsu Matsui, Hideo Ohara and Tomio Ito, GT10:Oct 80:1101:15776
Deformation and Strength Characteristics of Soft Bangkok Clay, A. S. Balasubramaniam and A. R. Chaudry, GT9:Sept 78:1153:14040
Dynamic Characteristics of Coupled Shear Walls, Amiya K. Basu, Ashok K. Nagpal, Ravinder S. Bajaj and Ashok K. Guliani, ST8:Aug 79:1637: 14783
Dynamic Shear Modulus of Treated Expansive Soils, Wing-Cheong Au and Yong S. Chae, GT3:Mar 80: 255:15287
A Finite Element Model for Composite Masonry, Subhash C. Anand and David T. Young, Preprint No.80-526, Oct 80, 16pp.
Hypothesis for Progressive Failure in a Marl, Spyros Cavounidis and Elias Sotiropoulos, GT6:June 80: 659:15505
Landslide in Claystone Derived Soil, Archie M. Richardson, GT7:July 79:857:14683
Low Velocity Projectile Penetration of Clay, Umesh Dayal, John H. Allen and Dronnadula V. Reddy, GT8:Aug 80:919:15657
Microscopic Study of Mechanisms in Soils, Tamotsu Matsui, Tomio Ito, James K. Mitchell and Nobuharu Abe, GT2:Feb 80:137:15221
Racking Strength of Light-Frame Nailed Walls, Roger L. Tuomi and William J. McCutcheon, ST7: July 78:1131:13876
Shear Strength and Swelling of Clays Under Suction, Amos Komornik, Moshe Livneh and S. Smucha, SLS:June 80:206
Shear Strength of Concrete Masonry Joints, Ahmad A. Hamid, Robert G. Drysdale and Arthur C. Heidebrecht, ST7:July 79:1227:14670
Shear Strength of Wood Beams: A Weibull Analysis, Jen Y. Liu, ST10:Oct 80:2035:15770
Silicate-Stabilized Sands, G. Wayne Clough, William M. Kuck and Gyimah Kasali, GT1:Jan 79:65:14335
Simplified Design of Corrugated Shear Diaphragms, Kinh H. Ha, Noor El-Hakim and Paul P. Fazio, ST7:July 79:1365:14681
Steel Plate Shear Walls Resist Lateral Load, Cut Costs, Richard G. Troy and Ralph M. Richard, CE: Feb 79:53
Strength Decay in R.C. Beams under Load Reversals, Charles F. Scribner and James K. Wight, ST4:Apr 80:861:15360
Towards a Rational Theory for RC Members in Shear, Michael P. Collins, ST4:Apr 78:649:13697
Undrained Cyclic Strength of Marine Soils, William N. Houston and Herbert G. Herrmann, GT6:June 80:691:15508
Undrained Shear Tests on Clays, Jean-Herve Prevost, GT1:Jan 79:49:14311
Variability of an Expansive Clay Deposit, D. G. Fredlund, J. Krahn and J. U. Hasan, SLS:June 80: 322

Shear Strength (Soils)
Consolidation and Strength Properties of a Clay, Tien H. Wu, Nien Y. Chang and Elfatih M. Ali, GT7: July 78:889:13891
Suction Controlled Penetration and Shear Tests, Ventura Escario, SLS:June 80:781

Shear Stress
Exact Analysis of Unsymmetric Laminated Beam, K. M. Rao and B. G. Ghosh, ST11:Nov 79:2313: 14983
Interaction between Main Channel and Flood-Plain Flows, Nallamuthu Rajaratnam and Reza M. Ahmadi, HY5:May 79:573:14591
Plane Turbulent Wall Wakes, Nallamuthu Rajaratnam and Sri P. Rai, EM5:Oct 79:779:14882
Sand Bed Friction Factors for Oscillatory Flows, Philip Vitale, WW3:Aug 79:229:14754
Secondary Flow and Shear Stress at River Bends, James C. Bathurst, Colin R. Thorne and Richard D. Hey, HY10:Oct 79:1277:14906
Shear Transfer Model for Reinforced Concrete, Michael N. Fardis and Oral Buyukozturk, EM2: Apr 79:255:14507
Stress and Tidal Current in a Well-Mixed Estuary, M. Robinson Swift, Ronnal Reichard and Barbaros Celikkol, HY7:July 79:785:14682
Submerged Horizontal Jet over Erodible Bed, S. S. Chatterjee and S. N. Ghosh, HY11:Nov 80:1765: 15820
Submerged Horizontal Jet over Erodible Bed, S. S. Chatterjee and S. N. Ghosh, HY11:Nov 80:1765: 15820

Shear Tests
Cam-Clay Predications of Undrained Strength, Paul W. Mayne, GT11:Nov 80:1219:15816

Consolidation and Strength Properties of a Clay, Tien H. Wu, Nien Y. Chang and Elfatih M. Ali, GT7: July 78:889:13891
Cut Slope Stabilization Using Rock Bolts, Bruce M. Camlin, Gerald L. Branthoover and James W. Richards, TE1:Jan 79:31:14292
Cyclic and Static Laboratory Tests on Drammen Clay, Knut H. Andersen, Jacobus H. Pool, Stephen F. Brown and Wim F. Rosenbrand, GT5:May 80: 499:15434
Indirectly Loaded Reinforced Concrete Beams, Sami M. Fereig and Kenneth N. Smith, ST7:July 79: 1319:14674
Principal Stress Rotation: A Missing Parameter, J. Robin F. Arthur, Ken S. Chua, Treve Dunstan and Juan I. Rodriguez del C., GT4:Apr 80:419:15375
Shearing Flows of Granular Materials, Stephen L. Passman, Jace W. Nunziato, Paul B. Bailey and John P. Thomas, Jr., EM4:Aug 80:773:15647
Suction Controlled Penetration and Shear Tests, Ventura Escario, SLS:June 80:781

Shear Waves
Cross-Hole and Down-Hole V_s by Mechanical Impulse, Bruce Auld, GT12:Dec 77:1381:13397
Shear and Rayleigh Waves in Soil Dynamics, George C. Gazetas and Mishac K. Yegian, GT12:Dec 79: 1455:15053

Sheet Piles
Cellular Bulkheads and Cofferdams, Warren L. Schroeder and James K. Maitland, GT7:July 79: 823:14713
Model Study of Circular Sheetpile Cells, James K. Maitland and Warren L. Schroeder, GT7:July 79: 805:14712

Sheet Piling
Effects of Vibratory Sheetpile Driving — A Case Study, G. Wayne Clough and Jean-Lcu Chameau, Preprint No.80-175, Apr 80, 36pp.

Shellfish
Maryland's Coastal Fisheries Program: An Overview, Mark M. Bundy, CZ80:Nov 80:931
Mitigating Runoff Pollution Into South Shore Bays of Long Island, New York, Kevin J. Phillips, Vito Minei, Thomas Maher and Philip A. Haderer, HYUS:June 80:228

Shells
Fall Velocity of Shells as Coastal Sediment, Ashish J. Mehta, Jieh Lee and Bent A. Christensen, HY11: Nov 80:1727:15795
Prebuckling Rotations and Cylinder Buckling Analysis, Don O. Brush, EM2:Apr 80:225:15332

Shells (Structural Forms)
Bending Analysis of Parabolic Velaroidal Shells, Hassoun A. Hadid and Paul P. Lynn, ST7:July 80: 1609:15570
Buckling of Axially Compressed Conical Shells, Chin-Hao Chang and Lester Katz, EM3:June 80:501: 15473
Buckling of Stiffened Hyperboloidal Cooling Towers, Ihsan Mungan and Otto Lehmkamper, ST10:Oct 79:1999:14917
Buckling Stresses of Stiffened Hyperboloidal Shells, Ihsan Mungan, ST8:Aug 79:1589:14775
Comparison of FEM Analyses for a Hyperboloidal Shell, James R. Shaver and Timothy A. Reinhold, CP80:June 80:161
Concrete Plasticity Theory for Biaxial Stress Analysis, David W. Murray, Larp Chitnuyanondh, Khazal Y. Rijub-Agha and Chung Wong, EM6:Dec 79:989:15046
Construction and Design of Large Cooling Towers, Wolfgang Zerna and Ihsan Mungan, ST2:Feb 80: 531:15217
Cooling Towers with Circumferential Imperfections, Charles P. Ellinas, James G.A. Croll and Kenneth O. Kemp, ST12:Dec 80:2405:15910
Doubly Curved Membrane Shell Finite Element, Carl S. Gran and T. Y. Yang, EM4:Aug 79:567:14741
End Effects of Pressure-Resistant Concrete Shells, Wai F. Chen, Hiroyuki Suzuki and Tse-Yung P. Chang, ST4:Apr 80:751:15316
Experiments on Axially Loaded Concrete Shells, Wai F. Chen, Harshavardhan C. Mehta and Tse-Yung P. Chang, ST8:Aug 79:1673:14785
Finite Strip Laminated Sandwich Roof Analysis, Ibrahim M. Ibrahim and Gerard R. Monforton, ST5:May 79:905:14594
Largest Inverted Shell Houses Two Theaters, Jacob Eldar, CE:June 79:74
Meridionally Imperfect Cooling Towers, James G.A. Croll, Fevzi Kaleli and Kenneth O. Kemp, EM5: Oct 79:761:14895
Nonlinear Layered Timber Cylindrical Shells, Peter J. Moss, Athol J. Carr and Nicholas C. Cree-Brown, ST10:Oct 79:2019:14932
Plastic Bifurcation Buckling of Toroidal Shells, Ernest D. George, Jr., TN: EM4:Aug 79:697:14727
Preliminary Analysis and Design of Shell Structures, Mark A. Ketchum and Milo S. Ketchum, Preprint No.80-581, Oct 80, 14pp.
Quasilinear Integration of Elasto-Plastic Shells, Habid U. Ahmed and John W. Leonard, EM1:Feb 79:91: 14371
Refined Theories for Nonhomogeneous Anisotropic Cylindrical Shells: Part I-Derivation, Daryl E.O. Widera and Darly L. Logan, EM6:Dec 80:1053: 15933
Refined Theories for Nonhomogeneous Anisotropic Cylindrical Shells: Part II-Aplication, Daryl L. Logan and G. E.O. Widera, EM6:Dec 80:1075: 15934
Stress Analysis of Bins by Shell Bending Theory, Sukhvarsh Jerath and Arthur P. Boresi, ST6:June 79:1069:14632
Tests on Nailed and Glued Layered Timber Cylindrical Shells, G. Bryan Walford and Peter J. Moss, ST1:Jan 80:247:15152
Validity of Yieldline Theory for Polyhedral Shells, Robert E. Melchers, EM1:Feb 79:107:14388
Wind Loading and Response of Cooling Towers, Norman J. Sollenberger, Robert H. Scanlan and David P. Billington, ST3:Mar 80:601:15281

Shell Structures
Buckling of Axially Compressed Conical Shells, Chin-Hao Chang and Lester Katz, EM3:June 80:501: 15473

Shields (Tunneling)
Earth Pressure Balanced Shield Tunneling, Shigeo Kurosawa, Preprint No.80-664, Oct 80, 12pp.

Shipbuilding
New Graving Dry Dock at Tampa, Florida, Robert I. Young, WW1:Feb 80:19:15184

Shipping
Dynamic Of Low-Profile Ship Loading Container Cranes, Dr. Robert T. Ratay and Tibor Szegezdy, EM81:Jan 81:760

Ships
The Berthing of a Ship to a Jetty, H. L. Fontijn, WW2:May 80:239:15407
Design of a Tanker Mooring System for Dynamic Loads, Shih-Iih Steve Fang and Robert M. Schneider, PO80:May 80:747
Evaluation of Deepwater Oil Terminals: A Case Study, C. Michael Walton, MGC:July 80:85
Port Capacity Methodology — Simplified, John F. Warwar, PO80:May 80:203
Ship Motion Study at the Columbia River Entrance, Scott M. Noble, Preprint No.80-160, Apr 80, 18pp.
Stand-Off Force on Ships Moored in Strong Current, Jitendra Khanna and Torben Sorensen, PO80:May 80:731

Shoaling
Extreme Values of Breaker Direction and Longshore Current, Michael Stiassnie and Uri I. Krostynski, TN: WW3:Aug 79:331:14731

Mississippi River Shoaling: A Diagnostic Study, Tatsuaki Nakato, Richard M. Baker and John F. Kennedy, HY11:Nov 79:1375:14978
A Predictive Model of Hurricane Wind-Waves, Rodney J. Sobey and Ian R. Young, HYCO:Aug 80:333

Shock
Dam-Break Wave Model: Formulation and Verification, Cheng-lung Chen and Jeffrey T. Armbruster, HY5:May 80:747:15395
Laboratory Verification of a Dam-Break Flood Model, Cheng-lung Chen, HY4:Apr 80:535:15324
Shock Load Attenuation by a Trickling Filter, Echol E. Cook and Leland P. Herning, EE3:June 78:461:13814

Shock Waves
Finite Element Study of Shock Induced Cavitation, R. E. Newton, Preprint No.80-110, Apr 80, 13pp.

Shopping Centers
Two Pacific Region Peoplemovers, Gary A. Weinstein, MGC:July 80:315

Shore-Line Cover
Impacts of Water Development and Coastal Engineering on Barrier Island Erosion Rates, Arthur R. Benton, Jr., ASDC:80:191
Resolution of Shoreline Disputes, Peter L. Buck and Jeffrey A. Layton, CZ80:Nov 80:1058

Shore Protection
Barrier Beach Protection in Massachusetts, Stanley M. Humphries and Jeffrey R. Benoit, CZ80:Nov 80:1809
Chesapeake Bay Development Pressures: RAMS Data Base Analysis, Russell C. Eberhart and Thomas J. Dolan, CZ80:Nov 80:532
Cumulative Impact Assessment-California Coastal Law, William Milan Boyd, CZ80:Nov 80:1321
Design Criteria for Floating Tire Breakwaters, Volker W. Harms, WW2:May 79:149:14570
Diffraction of Water Waves by Isolated Structures, Volker W. Harms, WW2:May 79:131:14561
Diffraction of Waves by Shore-Connected Breakwater, Volker W. Harms, HY12:Dec 79:1501:15075
Expediting The Coastal Approval Process, Jeffrey A. Layton and Peter L. Buck, CZ80:Nov 80:1998
General Permits: Method of Criteria Development, James W. Holton, Jr., CZ80:Nov 80:1026
Geology of Delaware Barriers: Evironmental Planning, Kathleen Drew and John C. Kraft, CZ80:Nov 80:830
Guaranteeing Public Access in Publicity-Funded Shoreline Projects, Kenneth C. Caldwell, CZ80:Nov 80:1397
Human Influence on the Sediment Budget of a Barrier Island, Craig H. Everts, CZ80:Nov 80:863
Large Rubble-Mound Breakwater Failures, Eugene H. Harlow, TN: WW2:May 80:275:15385
Legal Aspects of Coastal Natural Hazards Management, Richard G. Hildreth, CZ80:Nov 80:1370
Littoral Drift and Erosion at Belle Pass, Louisiana, Elvin J. Dantin, Charles A. Whitehurst and Warren T. Durbin, WW4:Nov 78:375:14184
Managing Shore Development in British Columbia, W. Bruce Morgan and Jonathan P. Secter, CZ80:Nov 80:715
Reinforced Earth Structures for Port Development, David P. McKittrick, PO80:May 80:786
The Role of a State Geological Survey in Barrier Island Management: A Critical Link Between Research and Policy, Randall T. Kerhin, Kenneth N. Weaver and Jeffrey P. Halka, CZ80:Nov 80:1289
San Juan National Historic Site Shore Protection, Charles F. Stevens, Preprint No.80-678, Oct 80, 11pp.
Satelite Imagery and Shoreline Erosion Prediction, Charles W. Welby, AS80:Aug 80:78
Shore Protection Decisions for Sandy Hook, Donald A. Falvey and William J. Funge, CZ80:Nov 80:2322
Soil-Cement for Protection of Shorelines, William G. Dinchak, CZ80:Nov 80:2203
Tidal Protection Measures — Social and Legal Problems, Hyman J. Fine, HYUS:June 80:44
Wave Overtopping and Urban Stormwater Drainage In Hull, Massachusetts, Jonathan A. French, HYUS:June 80:336

Shores
Managing Shore Development in British Columbia, W. Bruce Morgan and Jonathan P. Secter, CZ80:Nov 80:715

Shoring
Allowable Wind Loads on Wood Construction Stakes, Clayford T. Grimm, CO3:Sept 79:263:14857

Short Takeoff and Landing Aircraft
Air Transportation to Isolated Small Pacific Islands, Frank V. Hermann, MGC:July 80:22

Shoulders (Road)
Amelioration of Roadside Obstacle Crashes, Paul H. Wright and Leon S. Robertson, TE6:Nov 79:609:14974
Modifying Freeway Geometrics to Increase Capacity, William R. McCasland, TE6:Nov 80:787:15860
Tort Liability as a Safety Incentive, James J. Stapleton, HW80:Mar 80:256

Shrinkage
Composite Columns Under Sustained Load, Russell Q. Bridge, ST3:Mar 79:563:14442
Differential Movement in Composite Load-Bearing Masonry Walls, Clayford T. Grimm and David W. Fowler, ST7:July 79:1277:14666
Methodology for Foundations on Expansive Clays, Michael W. O'Neill and Nader Poormoayed, GT12:Dec 80:1345:15949
Settlement-Induced Forces in Concrete Bridges, Alfred G. Bishara and Shih-Zong Jang, ST7:July 80:1423:15522

Shrinkage Cracking
Instability and Spacing of Cooling or Shrinkage Cracks, Abubakr A. Bazant and Abubakr A. Wahab, EM5:Oct 79:873:14933

Side Looking Radar
Pipelines—Positioning and Survey Problems, Stanley W. Hole, SU1:Nov 79:15:14951

Sideway
Limit Analysis of Flat-Slab Buildings for Lateral Loads, Hans Gesund and Harinatha B. Goli, ST11:Nov 79:2187:14981

Siding
Aerial Photography in Fire Risk Assessment, Paul R. DeCicco, AS80:Aug 80:155

Sight
Human Orientation in Transportation Terminals, John P. Braaksma and W. Jordan Cook, TE2:Mar 80:189:15274

Sight Distances
Limited Sight Distance Effect on Speed, Abishai Polus, Shmuel Borovsky and Moshe Livneh, TE5:Sept 79:549:14851

Signal Devices
Traffic Signal Transition in Computerized Systems, C. John Macgowan, CP80:June 80:505

Signalized Intersections
Simulation Program for Signalized Intersection, James E. Clark, TC1:Apr 79:163:14537

Signal Processing
Energy Conservation through Arterial Improvements, Marchiz Petreanu and James J. Schuster, TE5:Sept 79:535:14847
Signal Timing Selection for Critical Intersections, Panos G. Michalopoulos and Stephen E. Meyer, TE3:May 80:265:15399
Traffic Signal Transition in Computerized Systems, C. John Macgowan, CP80:June 80:505

Signals
Chicago's Computerized Traffic Control System, Ronald Q. Pool, TE4:July 79:401:14706
Signal Timing Selection for Critical Intersections, Panos G. Michalopoulos and Stephen E. Meyer, TE3:May 80:265:15399

Signal Standards
Traffic Signal Transition in Computerized Systems, C. John Macgowan, CP80:June 80:505

Signal Usage
The AAP: A Package of Arterial Analysis Programs, Gary Euler, Ken Courage and Steve Shapiro, CP80: June 80:560
Energy Conservation through Arterial Improvements, Marchiz Petreanu and James J. Schuster, TE5:Sept 79:535:14847

Signs
Human Orientation in Transportation Terminals, John P. Branksma and W. Jordan Cook, TE2:Mar 80:189:15274

Sign Supports
State-of-the-Art of Highway Safety Appurtenances, F. J. Tamanini, HW80:Mar 80:216

Silage
Nonlinear Finite Element Analysis of Farm Silos, Karoon Chandrangsu and Alfred G. Bishara, ST7: July 78:1045:13907

Silica
Seasonal Water Chemistry in the Tidal Potomac River, David H. Peterson, CZ80:Nov 80:1558

Silicates
Silicate-Stabilized Sands, G. Wayne Clough, William M. Kuck and Gyimah Kasali, GT1:Jan 79:65:14335

Silos
Nonlinear Finite Element Analysis of Farm Silos, Karoon Chandrangsu and Alfred G. Bishara, ST7: July 78:1045:13907
Stress Analysis of Bins by Shell Bending Theory, Sukhvarsh Jerath and Arthur P. Boresi, ST6:June 79:1069:14632

Silts
Behavior of Rigid Piers in Layered Cohesive Soils, Nabil F. Ismael and Tony W. Klym, GT8:Aug 78: 1061:13969
Dynamic Properties of Frozen Silt Under Cyclic Loading, Ronald L. Czajkowski and Ted S. Vinson, GT9:Sept 80:963:15702

Silty Loams
Treatment of Peaty Clay by High Energy Impact, Salem D. Ramaswamy, Mohamed A. Aziz, Raja V. Subrahmanyam, M. H. Abdul Khader and Seng-Lip Lee, GT8:Aug 79:957:14787

Silty Soils
Timber Piles in Fine-Silty Sand, Raj P. Khera, Tonis Raamot and Morris Berkowitz, GTDF:80:235

Similitude
Drifting Snow Similitude, James D. Iversen, HY6: June 79:737:14647
Impact of Vertical Scale Distortion on Turbulent Mixing in Physical Models, Benjamin R. Roberts and Robert L. Street, HYCO:Aug 80:261
Sediment Modeling for the Sacramento River Diversion to the Peripheral Canal, Johannes J. DeVries, William J. Hartman and Jaime Amorocho, HYCO:Aug 80:463

Simple Shear Tests
Anisotropic Undrained Stress-Strain Behavior of Clays, Jean-Herve Prevost, GT8:Aug 78:1075: 13942
Static Shear and Liquefaction Potential, Yoginder P. Vaid and W. D. Liam Finn, GT10:Oct 79:1233: 14909

Simulation
Adaptation of ILLUDAS for Continuous Simulation, Harry G. Wenzel, Jr. and Michael L. Voorhees, HY11:Nov 80:1795:15840
Analysis and Design of Equalization Facilities, Gilles G. Patry, EE80:July 80:183
Aquatic Plant Mapping by Remote Sensing, Lewis E. Link, Jr. and K. S. Long, ASDC:80:34
Bidding Models: Truths and Comments, Michael Fuerst, CO1:Mar 76:169:11991
Bipopulation Approach to CMAS-Process Simulation, David H. Liang, Ping-Yi Yang and Tung Liang, EE5:Oct 79:905:14914
Coastal Flooding in Metropolitan New York: A Case Study, Robert S. Taylor, Sue Ann Hanson and Stergios A. Dendrou, HYUS:June 80:316
Comparison of Friedman and Gates Competitive Bidding Models, Neal B.H. Benjamin and Richard C. Meador, CO1:Mar 79:25:14408
Comparison of HEC 1 & TR 20 Programs, Muthusamy Krishnamurthy and W. Tracy Lenocker, HYUS:June 80:92
Computer Modeling of Clay Structure and Mechanics, Ronald F. Scott and Michael J.K. Craig, GT1:Jan 80:17:15128
Computer Modeling of the Great Dismal Swamp, Vincent M. Caruso and James E. Paschal, Jr., CZ80:Nov 80:2308
Constant and Variable Eddy Viscosity Flow Simulations in Settling Tanks, David R. Schamber and Bruce E. Larock, HYCO:Aug 80:345
Contamination in the Hydrologic Data Base, Robert J.C. Burnash and R. Larry Ferral, EFHYF:Mar 79: 303
Curve Numbers from Watershed Data, Everett P. Springer, Bruce J. McGurk, Richard H. Hawkins and George B. Coltharp, IRKB:July 80:938
Design for Erosion Loss Studies on Disturbed Lands, W. Russell Hamon and James V. Bonta, IRKB:July 80:27
A Design Model for Sediment Control on Mined Lands, Billy J. Barfield, L. G. Wells, B. Wilson, John S. Tapp and R. A. Uhl, IRKB:July 80:628
Design of Length of Water Resource Simulation Experiments, Guillermo J. Vicens and John C. Schaake, Jr., WR1:Mar 80:333:15280
Efficient FFT Simulation of Digital Time Sequences, Robert T. Hudspeth and Leon E. Borgman, EM2: Apr 79:223:14517
Establishing Ground Water Rights Using a Model, James W. Naney and Douglas C. Kent, IRKB:July 80:117
Estimating Earthquake Response of Simple Hysteretic Structures, Wilfred D. Iwan and Nathan C. Gates, EM3:June 79:391:14644
Facility Site Evaluation and Chemical Hazards, John S. Gardenier and Michael C. Parnarouskis, PO80: May 80:555
Frequency Content in Earthquake Simulation, Loren D. Lutes and Kiat Lilhanand, EM1:Feb 79:143: 14391
Graphics for Hydraulic Transients Simulation, Peter Shanahan and Brendan M. Harley, CP80:June 80: 27
Hydrologic Simulation of the Effects of Forest Removal, D. S. Chanasyk and Jacobus P. Verschuren, IRKB:July 80:452
Inaccuracies in the Characteristics Method, E. Benjamin Wylie, HYCO:Aug 80:165
Maritime Risk and Coastal Zone Management, Justus R. Riek, CZ80:Nov 80:575

Mass Transport in Regional Groundwater Basins, Thomas G. Naymik and Lewis D. Thorson, HYCO: Aug 80:407
Mathematical Simulation of Dam-Break Flow, Rudi Rajar, HY7:July 78:1011:13883
Mexican Pacific Coast Airport System, Rodolofo Felix Valdes, Francisco J. Jauffred and Jesus Acosta Flores, MGC:July 80:378
Moving Boundary Numerical Surge Model, Gour-Tsyh Yeh and Fang-Kuo Chou, WW3:Aug 79:247: 14758
Municipal/Industrial Waste Landfill Simulators, James J. Walsh, Riley N. Kinman and Nancy S. Neely, EE80:July 80:62
Numerical Simulation of Gas Flow in Sanitary Landfills, Angelos N. Findikakis and James O. Leckie, EE5:Oct 79:927:14896
Numerical Simulation of Mixing in Natural Rivers, Terrence O. Harden and Hung Tao Shen, HY4:Apr 79:393:14501
Numerical Simulation of Turbulent Stratified Flows in Surface Water Impoundments, Angelos N. Findikakis and Robert L. Street, HYCO:Aug 80: 249
A Numerical Surge Model with Moving-Boundary Treatment, Michael H. Chen, David J. Divoky and Li San Hwang, HYUS:June 80:195
A One-Dimensional Flow Model of the Potomac River, Raymond W. Schaffranek and Robert A. Baltzer, HYCO:Aug 80:292
On the Effect of the Value of the Eddy Coefficients on the Simulated Vertical Structure of Stratified Flows, Angelos N. Findikakis and Robert L. Street, HYCO:Aug 80:377
Physical-Economic Evaluation of Tillage Systems, Daniel Taylor, Douglas Young and Donald McCool, IRKB:July 80:985
Port Throughput Study Using Simulation Technique, Alan F. Daniell and Mahendrakumar R. Vora, PO80:May 80:282
Protective Structure Response to Vehicle Impact, John J. Labra, ST6:June 79:991:14622
Real-Time Control of Activated Sludge Process, Michael K. Stenstrom and John F. Andrews, EE2: Apr 79:245:14521
Session I—Analytic Techniques in Hydrology—State-of-the-Art, John J. Cassidy, EFHYF:Mar 79:414
Simulated Circulation and Sedimentation in Marinas, David R. Askren, Preprint No.80-107, Apr 80, 10pp.
Simulation for Port Design and Operations, M. Kaplan and R. C. Wentworth, PO80:May 80:269
Simulation of Construction Project Duration, Robert I. Carr, CO2:June 79:117:14607
Simulation of Sulfur Cycle in Estuarine Sediments, David A. Bella and Kenneth J. Williamson, EE1: Feb 80:125:15174
Simulation of Transient Supercritical Channel Flow, Jerome J. Zovne and C. Samuel Martin, HY7:July 79:859:14708
Spatial Simulation of Snow Processes, Anton G. Thomsen and W. David Striffler, IRKB:July 80:326
Stochastic Simulation of Wood Load-Sharing Systems, A. Louis DeBonis, ST2:Feb 80:393:15186
Systematic Evaluation of Navigation in Harbors, Ronald K. Gress and John D. French, PO80:May 80:568
Technical Aspects of Marine Terminal Simulation, P. E. Thompson and T. M. Davis, PO80:May 80:256
Truck Allocation Model for Concrete Distribution, David G. Woods and Frank C. Harris, CO2:June 80:131:15490
Use of a Simplified Surface Runoff Model, William G. Smith, HYUS:June 80:173
The USS Program in Metro Dade's Rapid Transit Project, Ronald L. Rardin, Liana Stanton and Charles C. Schimpeler, Preprint No.80-612, Oct 80, 14pp.
Visual Impacts of Port Development in Seattle, Iain M. Robertson and William G.E. Blair, CZ80:Nov 80:917
Water Resources Planning Using Computer Graphics, Peter N. French, Lynn E. Johnson, Daniel P. Loucks and Donald P. Greenberg, WR1:Mar 80:21: 15235
Wintertime Flow Distribution in River Channels, Hung Tao Shen and Norbert L. Ackermann, HY5: May 80:805:15427

Simulation Models

Analysis and Design of Equalization Facilities, Gilles G. Patry, EE80:July 80:183
Aquatic Plant Mapping by Remote Sensing, Lewis E. Link, Jr. and K. S. Long, ASDC:80:34
A Baseflow Simulation Model, Susan E. Hogg, Anton G. Thompson and W. David Striffler, IRKB:July 80:755
Calibrating the Chesapeake Bay Circulation Model?, Raymond Walton, M. A. Granat and Robert P. Shubinski, HYCO:Aug 80:387
Curve Numbers from Watershed Data, Everett P. Springer, Bruce J. McGurk, Richard H. Hawkins and George B. Coltharp, IRKB:July 80:938
Direct Explicit Formulation for Approach to Wet Bulb, John C. Sonnichsen, Jr. and Edward C. Strozyk, EY1:Jan 79:63:14289
Fatigue under Wide Band Random Stresses, Paul H. Wirsching and Mark C. Light, ST7:July 80:1593: 15574
A Fault-Rupture Propagation Model For Groung Motion Simulation, Yoshikazu Yamada and Shigeru Noda, EM81:Jan 81:235
Flood Hydrograph and Peak Flow Frequency Analysis, Arlen D. Feldman, EFHYF:Mar 79:1
Graphics for Hydraulic Transients Simulation, Peter Shanahan and Brendan M. Harley, CP80:June 80: 27
Large-Scale Urban Modeling, Otto J. Helweg, UP2: Nov 79:89:14947
Maritime Risk and Coastal Zone Management, Justus R. Riek, CZ80:Nov 80:575
Modeling Hourly Water Temperature Dynamics, Russ T. Brown, HYCO:Aug 80:25
Numerical Simulation of Turbulent Stratified Flows in Surface Water Impoundments, Angelos N. Findikakis and Robert L. Street, HYCO:Aug 80: 249
A One-Dimensional Flow Model of the Potomac River, Raymond W. Schaffranek and Robert A. Baltzer, HYCO:Aug 80:292
Overland/Instream Contaminant Migration Modeling, Stuart M. Brown and Yasuo Onishi, HYCO:Aug 80:397
Physical-Economic Evaluation of Tillage Systems, Daniel Taylor, Douglas Young and Donald McCool, IRKB:July 80:985
Port Capacity Determination and Planning, Ernst G. Frankel and Chang Bin Tang, PO80:May 80:193
Port Throughput Study Using Simulation Technique, Alan F. Daniell and Mahendrakumar R. Vora, PO80:May 80:282
Profile Soil Moisture from Surface Measurements, Thomas J. Jackson, IR2:June 80:81:15474
Remarks of Dave Stockman, Martin Smith, CAAA: Nov 79:400
Sensitivity and Sensibility in Air Quality Models, Michael L. Hatmaker, CAAA:Nov 79:250
Session VI—Changing Needs in Hydrologic Forecasting, William P. Henry, EFHYF:Mar 79:426
Session V—Power Forecasting, Catalino B. Cecilio, EFHYF:Mar 79:424
Simulation for Port Design and Operations, M. Kaplan and R. C. Wentworth, PO80:May 80:269
Simulation Model for Open Pit Mine Dewatering, Catherine Kraeger-Rovey, HYCO:Aug 80:107
Simulation of Repetitive-Unit Construction, David B. Ashley, CO2:June 80:185:15495
SIND Modeling for Unsteady Flow Assessments, Joel L. Caves and Robert L. Johnson, HYCO:Aug 80:281
Spatial Simulation of Snow Processes, Anton G. Thomsen and W. David Striffler, IRKB:July 80:326
The STS Method for Flood Frequency Estimation, Mark Wildermuth, HYUS:June 80:66

Studying Route Structures in the Pacific, A. C. Busch and R. Woodruff, MGC:July 80:55
Technical Aspects of Marine Terminal Simulation, P. E. Thompson and T. M. Davis, PO80:May 80:256
Techniques and Experiences in the Utilization of Unsteady Open-Channel Flow Models, Chintu Lai, Robert A. Baltzer and Raymond W. Schaffranek, HYCO:Aug 80:177
Thermal Discharge Investigation, Yung Y. Shen and Richard S. McGinnis, HYCO:Aug 80:13
Water Quality Modeling Using Computer Graphics, Peter N. French and Daniel P. Loucks, EE80:July 80:138

Singapore
Singapore Mass Transit Study (Abstract), Robert A. Hubbard, MGC:July 80:313

Single Vehicle Accidents
Highway Safety and Roadside Hazards, James L. Foley, Jr., TE6:Nov 80:617:15799

Sinkholes
Remote Sensing Study of Sinkhole Occurrence, Jay W. Casper, Byron E. Ruth and Janet D. Degner, AS80:Aug 80:1

Site Evaluation
Allocation of Risks — A, William S. Alldredge, CRLS:Jan 79:I-39
Best Management Practices for Forestry Activities, Richard J. McClimans, IRKB:July 80:694
Facility Site Evaluation and Chemical Hazards, John S. Gardenier and Michael C. Parnarouskis, PO80: May 80:555
Identification and Nature of Risks—B, J. K. Lemley, CRLS:Jan 79:II-28
Sanitary Landfill Site Selection by Remote Sensing, Jerry R. Rogers, William J. Graff, Larry J. Stone, C. H. Tsen and S. S. Yang, ASDC:80:92
Session VII—Flooding and Flood Plain Management, David R. Dawdy, EFHYF:Mar 79:428

Site Investigation
Allocation of Risks — B, Thomas R. Kuesel, CRLS: Jan 79:I-51
Coastal Energy Development in Santa Barbara County, Kirvil Skinnarland and Mel Willis, CZ80: Nov 80:634
Coastal Siting of Hazardous Waterfront Facilities, Paul C. Golden, CZ80:Nov 80:562
Construction Plant Requirements for Nuclear Sites, Clyde B. Tatum and J. A. Harris, Preprint No.80-629, Oct 80, 13pp.
Construction Risk: Who Pays?, Virginia Fairweather, CE:Apr 79:64
Department of Energy Interests in Coastal Siting of Energy Facilities, Emmet W. Turner, CZ80:Nov 80: 402
Evaluation and Inter-Governmental Relations in CZM, G. Kem Lowry, Jr. and Norman H. Okamura, CZ80:Nov 80:429
Geology and Geotechnical Engineering, Robert F. Legget, GT3:Mar 79:339:14444
Identification and Nature of Risks in Construction Projects — A Contractor's Perspective, J. Joseph Casey, CRLS:Jan 79:I-17
Landsat Data Use in Evaluating Nuclear Reactor Sites, Patrick J. Barosh, ASDC:80:383
Site Factors Controlling Liquefaction, Rafael M. Blazquez, Raymond J. Krizek and Zdenek P. Bazant, GT7:July 80:785:15577
Specific Model Studies of Pumping Station Sumps, Bobby P. Fletcher and John L. Grace, Jr., Preprint No.80-640, Oct 80, 14pp.

Site Preparation (Construction)
Densification of Loose Deposits by Pounding, Robert G. Lukas, GT4:Apr 80:435:15376
Teaching Site Layout for Construction, James H. Neil, Preprint No.80-178, Apr 80, 13pp.

Site Selection
Alternative Evaluation of Power Plant Sites, Asok K. Motayed, EY2:Oct 80:229:15752
Broad Area Searches for Hazardous Waste Disposal, Allen W. Hatheway, Pickett T. Simpson and John L. Splendore, EE80:July 80:329
Coastal Energy Development in Santa Barbara County, Kirvil Skinnarland and Mel Willis, CZ80: Nov 80:634
Coastal Siting of Hazardous Waterfront Facilities, Paul C. Golden, CZ80:Nov 80:562
Consistency Review of OCS Acitvities Off California, Irwin D. Karp, CZ80:Nov 80:2103
Construction Plant Requirements for Nuclear Sites, Clyde B. Tatum and J. A. Harris, Preprint No.80-629, Oct 80, 13pp.
Department of Energy Interests in Coastal Siting of Energy Facilities, Emmet W. Turner, CZ80:Nov 80: 402
Energy Facility Planning and Siting in the Coastal Zone, Donald E. Glass, CZ80:Nov 80:396
General Permits: Method of Criteria Development, James W. Holton, Jr., CZ80:Nov 80:1026
Geotechnical Aspects of Rubble-Mound Coastal Structures, Donald D. Treadwell, Albert P. Ridley and Orville T. Magoon, PO80:May 80:801
Lake Erie Airport—Status Update, Cameron M. Smith, TE3:May 80:227:15410
Locating Reservoirs with Landsat: "A Texas Example", E. Charles Palmer, Samuel D. McCulloch and A. E. Richardson, ASDC:80:11
Long-Range Regional Power Plant Siting Model, Peter M. Meier, EY1:Jan 79:117:14322
Maritime Risk and Coastal Zone Management, Justus R. Riek, CZ80:Nov 80:575
Multiobjective Power Plant Siting Methods, Benjamin F. Hobbs, EY2:Oct 80:187:15745
NEWCO and SCA — Harbingers for Future Hazardous Waste Siting Wrangles?, Peter N. Skinner, EE80:July 80:657
Offshore Construction: Considerations for Self-Sufficiency and General Site Design, Scott L. Brinkmeyer, Preprint No.80-178, Apr 80, 28pp.
Optimum Location of Maintenance Facilities, Lansford C. Bell and Rex K. Rainer, TE6:Nov 80: 697:15825
Power Plant Siting: Economic Screening Techniques, Donald L. Matchett and Robert P. Kitchell, EY2: Aug 79:277:14770
Sanitary Landfill Site Selection by Remote Sensing, Jerry R. Rogers, William J. Graff, Larry J. Stone, C. H. Tsen and S. S. Yang, ASDC:80:92
Sewage Treatment Site Selection, Phillip Island, Victoria, R. W.G. Evans and O. J. Scroggie, ASDC: 80:140
Site Studies, Coastal/Geotechnical Aspects, Ralph H. Cross, George B. Tirey and Jin H. Kim, PO80:May 80:429
Siting of Hazardous Waste Management Facilities, Dawn D. Roderique and Timothy D. Van Epp, EE80:July 80:320
Striking the Balance in Energy Project Siting, Richard A. Du Bey, Cheryl R. Koshuta and Daniel I.-Steinborn, CZ80:Nov 80:2135
Subdivision of Rural Land and Recreational Area Development—Eildon Reservoir, Bruce Kenneth Willersdorf, ASDC:80:150
A Systematic Approach to Landfill Evaluation, D. Randy Junkins and Michael H. Corbin, EE80:July 80:50

Site Selection Studies
Nuclear Facilities Siting, Paul Kruger, EE3:June 79: 443:14615

Site Surveys
Allocation of Risks — A, William S. Alldredge, CRLS:Jan 79:I-39

Size
Economic Effect of Heavy Trucks on Highways, C. Michael Walton and Dock Burke, MGC:July 80: 105

Size Effect in Model Concretes?, Gajanan M. Sabnis and Saeed M. Mirza, ST6:June 79:1007:14618

Size Perception
Shear Strength of Wood Beams: A Weibull Analysis, Jen Y. Liu, ST10:Oct 80:2035:15770

Skew Bridges
Thermal Stress Analysis of Continuous Skew Bridge, Fazlur Rahman and Kalankamary P. George, ST7: July 79:1525:14695
Thermal Stresses in Skew Bridge by Model Test, Fazlur Rahman and Kalankamary P. George, ST1: Jan 80:39:15112

Skewed Structures
Anisotropic Skew Plates and Grids, Mahendrakumar R. Vora and Hudson Matlock, EM2:Apr 79:237: 14511
Combined-Load Buckling of Orthotropic Skew Plates, John B. Kennedy and Madanapalli K. Prabhakara, EM1:Feb 79:71:14363
Postbuckling of Orthotropic Plate Structures, John B. Kennedy and Madanapalli K. Prabhakara, ST7:July 80:1497:15518
Skewed Bridges with Intermediate Transverse Bracings, M. Sherif Aggour and M. Shafik Aggour, ST8:Aug 79:1621:14782

Skewness
Map Skew, Richard H. McCuen, WR2:Sept 79:269: 14840
Prestressed Waffle Slab Bridges—Elastic Behavior, John B. Kennedy and Ibrahim S. El-Sebakhy, ST12: Dec 80:2443:15929
Skew Reinforcement in Slabs, Ajaya K. Gupta, TN: ST8:Aug 78:1317:13917

Skid Resistance
Hazardous Location Program, Edwin M. Smith, HW80:Mar 80:109

Skiing
Frequency Analysis of Snow Course Data, Charles E. Brockway and H. F. Mayland, IRKB:July 80:368

Skimming
Oil Booms and Skimmer Walls: A Comparison, James J. Sharp, TN: EE5:Oct 80:991:15723

Skin Friction
Flow Past Fence in Turbulent Boundary Layer, Pramod K. Pande, Rajendra Prakash and Manharan L. Agarwal, HY1:Jan 80:191:15151
Pull-Out Load Test of a Drilled Pier in Very Stiff Beaumont Clay, Richard A. Pearce and Carl L. Brassow, GTDF:80:331
Shaft Resistance of Rock-Socketed Drilled Piers, Robert G. Horvath and T. Cameron Kenney, GTDF:80:182

Skin Friction (Piles)
Field Evaluation of Hammer Efficiency and Pile Driving Criteria, Dunstan D. S. Chen, James V. Toto and I. H. Wong, GTDF:80:64
High Capacity Pile Foundations for China Steel Corporation Integrated Steel Mill, W. C. Wan, Paul Engeling and Edith A. Hacker, GTDF:80:495
Instrumented Drilled Shafts in Clay-Shale, Patrick M. Goeke and Paul A. Hustad, Aff., GTDF:80:149
Predicition and Verification of Friction Pile Behavior, Michael W. Montgomery, GTDF:80:274
A Study of Axial Pile Load Tests, Shailendra N. Endley, Edward J. Ulrich, Jr. and Janice B. Gray, GTDF:80:101
Timber Pile Study, Exisiting Structure, Frank D. Grefsheim, GTDF:80:166

Slabs
Analysis of Stiffened Slabs-on-Ground over Expansive Soil, Warren K. Wray, SLS:June 80:558
Ductility Ratio for Slabs, Edwin G. Burdette and Dennis Bernal, ST11:Nov 78:1741:14131
Equivalent Frame Analysis for Lateral Loads, M. Daniel Vanderbilt, ST10:Oct 79:1981:14931
Fatigue Experiments on Composite Slab Floors, Murray C. Temple and George Abdel-Sayed, ST7: July 79:1435:14676
Fire Response of Reinforced Concrete Slabs, Zuhayr Nizamuddin and Boris Bresler, ST8:Aug 79:1653: 14784
Laterally Loaded Flexible Diaphragm Buildings, Avigdor V. Rutenberg, TN: ST9:Sept 80:1969: 15667
Legal Aspect of Expansive Soils, Fu Hau Chen, SLS: June 80:639
Limit Analysis of Slabs with Free Edge, Kanakapura S. Subba Rao, N. Rangaiah and Balagolam V. Ranganatham, ST11:Nov 79:2419:14959
Local Flexural Strength of Slabs at Interior Columns, Hans Gesund and Harinatha B. Goli, ST5:May 80: 1063:15394
Methodology for Foundations on Expansive Clays, Michael W. O'Neill and Nader Poormoayed, GT12: Dec 80:1345:15949
A Model for Slab Foundations on Expansive Soils, Stefanos S. Tsotsos, SLS:June 80:551
Modelling Climatic Effects on Clay Beneath Slabs, Judith B. Corley, SLS:June 80:533
Skew Reinforcement in Slabs, Ajaya K. Gupta, TN: ST8:Aug 78:1317:13917
Structural Response of R/C Slabs to Tornado Missiles, Peter M. McMahon, Subir K. Sen, Bernard L. Meyers and Kenneth P. Buchert, ST3: Mar 79:547:14443
Tension Stiffening in Reinforced Concrete Slabs, R. Ian Gilbert and Robert F. Warner, ST12:Dec 78: 1885:14211
Thermal Effects on Load Capacity of Concrete Slabs, Nestor R. Iwankiw, ST7:July 79:1417:14667
Thermal Stress Analysis of Continuous Skew Bridge, Fazlur Rahman and Kalankamary P. George, ST7: July 79:1525:14695
Two-Way Flexure of Steel-Deck-Reinforced Slabs, Charles R. Kubic and J. Hartley Daniels, ST6:June 79:1039:14633

Slack Variables
Slack-Elasto-Plastic Dynamics of Cable Systems, David Chia-Chiun Ma, John W. Leonard and Kuang-Han Chu, EM2:Apr 79:207:14508

Slenderness Ratio
Hysteretic Cycles of Axially Loaded Steel Members, Ashok K. Jain, Subhash C. Goel and Robert D. Hanson, ST8:Aug 80:1777:15607

Slides
Stress Path Method: Second Edition, T. William Lambe and W. Allen Marr, GT6:June 79:727:14655

Sliding
Seismically Induced Sliding of Massive Structures, Eduardo Kausel, Albert Stanley Lucks, Lewis Edgers, William F. Swiger and John T. Christian, GT12:Dec 79:1471:15065

Slime
Biofilm Growth and Hydraulic Performance, Basil F. Picologlou, Nicholas Zelver and William G. Characklis, HY5:May 80:733:15421

Slip
Bending of Laminated Cantilever Beams with Interlayer Slip, Hiroyuki Suzuki and Tse-Yung P. Chang, ST2:Feb 79:269:14366
Entrained Air in Linearly Accelerated Water Flow that, Abdin M.A. Salih, HY10:Oct 80:1595:15728

Slip Forms
Slipforming of Heavily Reinforced Concrete Shield Building, M. C. Hsieh and Jerome R. King, Preprint No.80-673, Oct 80, 15pp.

Slipping
Approximate Approach to Contact Effects of Piles, Milos Novak and Mohammed Sheta, GTA80:Oct 80:53
Extreme-Value Problems of Limiting Equilibrium, Michael Garber and Rafael Baker, GT10:Oct 79: 1155:14901
Safety against Slip in Inclined Base of Slope Toes, Josef Brauns, TN: GT10:Oct 80:1158:15724

Slip Surface
Response of Layer to Strike-Slip Vertical Fault, Marijan Dravinski and Mihailo D. Trifunac, EM4: Aug 80:609:15610

Slope Deflection Method
Slope-Deflection for Elastic-Viscoplastic Frames, Rong C. Shieh, EM6:Dec 79:953:15052
Vierendeel Frame Analysis: Slope-Shear Equations, Velu Paramasivam, TN: ST11:Nov 80:2333:15791

Slope Indicators
Reliability Analysis of Slopes: Frequency-Domain Method, Daniele Veneziano and Jaime Antoniano, GT2:Feb 79:165:14378

Slopes
Drip Irrigation Design on Nonuniform Slopes, I-Pai Wu and Harris M. Gitlin, IR3:Sept 79:289:14829
Reliability Analysis of Slopes: Frequency-Domain Method, Daniele Veneziano and Jaime Antoniano, GT2:Feb 79:165:14378
Roof Design: Avoid Ponding by Sloping to Drain, Gary Van Ryzin, CE:Jan 80:77
Sediment Removal With Vegetal Filters, Clarence W. Robison and Charles E. Brockway, IRKA:July 80: 422
Wave Runup on Variable Beach Profiles, R. Bruce Taylor, III, E. Ozsoy and Thomas J. Turco, WW2: May 80:169:15424

Slope Stability
Combined Vegetative-Structural Slope Stabilization, Donald H. Gray, Andrew T. Leiser and Charles A. White, CE:Jan 80:82
Creep Damage to Structures on Expansive Clay Slopes, Robert L. Lytton and Larry D. Dyke, SLS: June 80:284
Cut and Cover Construction on Unstable Slopes, Elias Sotiropoulos and Spyros Cavounidis, CO4: Dec 80:585:15890
Cut Slope Stabilization Using Rock Bolts, Bruce M. Camlin, Gerald L. Branthoover and James W. Richards, TE1:Jan 79:31:14292
Drip Irrigation Design on Nonuniform Slopes, I-Pai Wu and Harris M. Gitlin, IR3:Sept 79:289:14829
Extreme-Value Problems of Limiting Equilibrium, Michael Garber and Rafael Baker, GT10:Oct 79: 1155:14901
Generalized Stability Analysis of Channel Banks, Victor Miguel Ponce, IR4:Dec 78:343:14228
Geotechnical Engineering Data Systems, Joseph M. DeSalvo, SU80:June 80:165
Modern Engineering Saves Troubled Dam, James M. Tolle, Peter Simard and Lynn A. Brown, CE:June 79:78
Safety against Slip in Inclined Base of Slope Toes, Josef Brauns, TN: GT10:Oct 80:1158:15724
Stability Analysis of Embankments and Slopes, Sarada K. Sarma, GT12:Dec 79:1511:15068
Terminal Usage of Batch Programs in Highway Design, Conrad G. Keyes, Jr., John Minor and Kenneth R. White, CP80:June 80:350
Washington's Automated Coastal Data Base: The Coastal Zone Atlas, Sue Wenke and Marc Horton, CZ80:Nov 80:2291
Wave-Induced Slides in South Pass Block 70, Mississippi Delta, Robert G. Bea, Stephen Wright, Partha Sircar and Alan W. Niedoroda, Preprint No.80-506, Oct 80, 23pp.

Slope Stabilization
Treatment of Expansive Clay Canal Lining, Jack G. Byers, SLS:June 80:401

Sloshing
Earthquake Sloshing in Annular and Cylindrical Tanks, Mohammad Aslam, William G. Godden and D. Theodore Scalise, EM3:June 79:371:14643

Slots
Connecticut River Fishways: Model Studies, Dean K. White and Bruce J. Pennino, HY7:July 80:1219: 15554

Sludge
Aerobic Digestion of Waste Activated Sludge, C. Scott Reece, Ralph E. Roper, Jr. and C. P. Leslie Grady, Jr., EE2:Apr 79:261:14522
Effect of Design on Economy of Aerobic Digestion, Otto Brody, EE2:Apr 79:383:14547
Engineering Design Variables for the Activated Sludge Process, Lloyd W. Weller, Chmn., EE3:June 80:473:15509
Landfill Management for Double Alkali Sulfur Dioxide Scrubber Sludge, Raymond J. Krizek, EY2: Aug 79:229:14742
Leachate Generation from a Sludge Disposal Area, Wayne A. Charlie, Richard E. Wardwell and Orlando B. Andersland, EE5:Oct 79:947:14884
Organic Material and Soil Compressibility, Orlando B. Andersland and Abdul-Amir W.N. Al-Khafaji, GT7:July 80:749:15546
Treating Industrial Wastewater of Varying Quality and Quantity, Sydney H. Stilley, EE80:July 80:553

Sludge Digestion
Aerobic Digestion of Waste Activated Sludge, C. Scott Reece, Ralph E. Roper, Jr. and C. P. Leslie Grady, Jr., EE2:Apr 79:261:14522
Biokinetics of Phosphorus Removal in PHOSTRIP Activated Sludge, Raymond W. Reagan and John B. Nesbitt, EE80:July 80:282
Campbellsville, Ky. First Plant in U.S. to Use Carrousel Process, CE:May 79:65
Effect of Design on Economy of Aerobic Digestion, Otto Brody, EE2:Apr 79:383:14547
Municipal Wastewater Treatment Plant Pioneers in Conservation Approach, Robert F. Bonner, Jr., CE: July 80:57
Trenching of Digested Sludge, L. J. Sikora, N. H. Frankos, C. M. Murray and J. M. Walker, EE2:Apr 80:351:15310

Sludge Disposal
Air Pollutants from Sewage Sludge Incineration, Thomas T. Shen, EE1:Feb 79:61:14370
Biokinetics of Phosphorus Removal in PHOSTRIP Activated Sludge, Raymond W. Reagan and John B. Nesbitt, EE80:July 80:282
Codisposal of Sludge and Refuse, William F. Cosulich and Miro Dvirka, EE80:July 80:592
Effective Sludge Disposal — A Question of Policy, Martin Lang, EE80:July 80:664
Entrenchment of Sewage Sludge—a Disposal-Use Alternative, L. J. Sikora and D. Colacicco, CE:Apr 80:80
Factors Influencing Activated Sludge Properties, John T. Novak, Harry Becker and Andrew Zurow, EE5: Oct 77:815:13262
Harrisburg Pioneering Codisposal of Refuse and Sludge, CE:Oct 79:72
How New Jersey is Handling Its Hazardous Wastes, CE:Sept 79:81
Leachate Generation from a Sludge Disposal Area, Wayne A. Charlie, Richard E. Wardwell and Orlando B. Andersland, EE5:Oct 79:947:14884
Metals Removal from Wastewater Sludges with Liquid-Ion Exchange, David A. Cornwell and Gary C. Cline, EE80:July 80:540
Municipal Wastewater Treatment Plant Pioneers in Conservation Approach, Robert F. Bonner, Jr., CE: July 80:57
Pretreatment of Sewage for Heavy Metal Removals, Ju-Chang Huang and Patrick M. McCole, EE80: July 80:236
Trenching of Digested Sludge, L. J. Sikora, N. H. Frankos, C. M. Murray and J. M. Walker, EE2:Apr 80:351:15310

Sludge Drying
Biological Drying of Sewage Sludge—A New Composting Process, F. C. Miller, S. T. McGregor, M. S. Finstein and J. Cirello, EE80:July 80:40
Codisposal of Sludge and Refuse, William F. Cosulich and Miro Dvirka, EE80:July 80:592
Comparative Metals Precipitation Techniques, Lynn P. Croy and William R. Knocke, EE80:July 80:534
Effective Sludge Disposal — A Question of Policy, Martin Lang, EE80:July 80:664
Factors Influencing Activated Sludge Properties, John T. Novak, Harry Becker and Andrew Zurow, EE5: Oct 77:815:13262
Vacuum Filtration of Metal Hydroxide Sludges, William R. Knocke, Mriganka M. Ghosh and John T. Novak, EE2:Apr 80:363:15363

Sludge Treatment
Applicability of Kynch Theory to Flocculent Suspensions, Byong S. Shin and Richard I. Dick, EE3:June 80:505:15461

Slump
Concrete Slump in Nuclear Power Plant Construction, H. Randolph Thomas, Jr., CO4:Dec 80:567:15881

Slurries
Applications of Slurry Walls in Civil Engineering, Safdar A. Gill, CO2:June 80:155:15479
A Marine Terminal for Exportation of Slurried Coal, R. B. Jacques and P. K. Johnson, PO80:May 80:32
Slurry Flow in Pipe Networks, Don J. Wood, HY1: Jan 80:57:15132
Slurry Pipeline Design with Geometric Programming, Steven M. Rasey and Robert R. Faddick, TE6:Nov 80:815:15841
Transient Propagation in Slurries with Hold-Up, A. R.D. Thorley, HY8:Aug 80:1353:15641

Slurry Excavation
Earth-Filled Slurry Walls Provide Economical Seepage Control, Ronald A. Antonino, CE:Apr 80: 72

Slurry Trenches
Earth-Filled Slurry Walls Provide Economical Seepage Control, Ronald A. Antonino, CE:Apr 80: 72
Soil-Bentonite Slurry Trench Cutoffs, David J. D'Appolonia, GT4:Apr 80:399:15372

Smoke Control
Fighting Fire With Concrete, K. Gene Miller, CE: Aug 79:81

Snow
Accuracy of Snowmelt Runoff Estimates, Mark E. Hawley, Richard H. McCuen and Albert Rango, IRKB:July 80:347
Comparison of Areal Snow Sampling Procedures, Walter J. Rawls, Thomas J. Jackson and J. F. Zuzel, IRKB:July 80:356
Drifting Snow Similitude, James D. Iversen, HY6: June 79:737:14647
An Evaluation of a Cloud Seeding Program in Utah, Don A. Griffith, IRKA:July 80:107
Frequency Analysis of Snow Course Data, Charles E. Brockway and H. F. Mayland, IRKB:July 80:368
Improved Watershed Management using Remote Sensing, Albert Rango, IRKB:July 80:1019
Managing Snowpack Augmentation Research, Olin H. Foehner, IRKA:July 80:85
Path Clearcuts to Manage Snow in Lodgepole Pine, Howard L. Gary, IRKB:July 80:335
Review of Roof Failures in the Chicago Area Under Heavy Snow Loads, Ian R. Chin, Albert J. Gouwens and John M. Hanson, Preprint No.80-145, Apr 80, 20pp.
Satellites as Aid to Water Resource Managers, David F. McGinnis, Jr., Roderick A. Scofield, Stanley R. Schneider and Craig P. Berg, WR1:Mar 80:1:15244
Snow-Covered Area Utilization in Runoff Forecasts, Albert Rango, Jack F. Hannaford, Michael Rosenzweig and A. Jean Brown, HY1:Jan 79:53: 14326
Torsional Buckling Study of Hartford Coliseum, Robert S. Loomis, Raymond H. Loomis, Robert W. Loomis and Richard W. Loomis, ST1:Jan 80:211: 15124
Water Pollution from Snow Removal Operations, Bruce W. Pierstorff and Paul L. Bishop, EE2:Apr 80:377:15331
Wind and Snow Load Factors for Use in LRFD, Mayasandra K. Ravindra, C. Allin Cornell and Theodore V. Galambos, ST9:Sept 78:1443:14006
Winter Roads and Ice Bridges, Ligouri M. Lefebvre, CE:Dec 79:54

Snow Cover
Applicability of Space Acquired Data for Water Resources Management, Vincent V. Salomonson, V. Ralph Algazi and Donald R. Wiesnet, EFHYF:Mar 79:125
Failure of Wood Roof Systems Under Snow Load, Keith F. Faherty, Preprint No.80-113, Apr 80, 13pp.
Roofs in Cold Regions, Wayne Tobiasson, Preprint No.80-172, Apr 80, 21pp.
Winter Roof Collapses: Bad Luck or Bad Design?, Ann E. Seltz-Petrash, CE:Dec 79:42

Snow Depth
Comparison of Areal Snow Sampling Procedures, Walter J. Rawls, Thomas J. Jackson and J. F. Zuzel, IRKB:July 80:356
Frequency Analysis of Snow Course Data, Charles E. Brockway and H. F. Mayland, IRKB:July 80:368

Snowdrifts
Drifting Snow Similitude, James D. Iversen, HY6: June 79:737:14647
Soil Moisture and Snowpack after Clearcutting, George E. Hart and David A. Lomas, IRKB:July 80:311
Spatial Simulation of Snow Processes, Anton G. Thomsen and W. David Striffler, IRKB:July 80:326
Winter Roof Collapses: Bad Luck or Bad Design?, Ann E. Seltz-Petrash, CE:Dec 79:42

Snowfall
Myths and Uses of Hydrometeorology in Forecasting, Gene E. Willeke, EFHYF:Mar 79:117

Snowmelt
Accuracy of Snowmelt Runoff Estimates, Mark E. Hawley, Richard H. McCuen and Albert Rango, IRKB:July 80:347
Groundwater Response during Runoff Events, Michael G. Sklash and Robert N. Farvolden, IRKB: July 80:743
Hydrologic Effects of a Severe Forest Fire, J. D. Cheng, IRKB:July 80:240
Sediment Transport in a Pool-Riffle Stream, James Milligan, Edward Chacho and Myron Molnau, IRKB:July 80:430
Snow-Erosion Relationships on Mine Waste Dumps, Myron Molnau and Edward Chacho, IRKB:July 80: 877
Snowmelt Sediment from Sierra Nevada Headwaters, Clarence M. Skau, John C. Brown and John A. Nadolski, IRKB:July 80:418
Spatial Simulation of Snow Processes, Anton G. Thomsen and W. David Striffler, IRKB:July 80:326
Water Supply Forecasting in California - 1976-78, Charles H. Howard, EFHYF:Mar 79:285

Snowmobiles
Frequency Analysis of Snow Course Data, Charles E. Brockway and H. F. Mayland, IRKB:July 80:368

Snowpacks
Improved Watershed Management using Remote Sensing, Albert Rango, IRKB:July 80:1019

Soil Moisture and Snowpack after Clearcutting, George E. Hart and David A. Lomas, IRKB:July 80:311

Snow Removal Regulations
Winter Roof Collapses: Bad Luck or Bad Design?, Ann E. Seltz-Petrash, CE:Dec 79:42

Snow Roads
Winter Roads and Ice Bridges, Ligouri M. Lefebvre, CE:Dec 79:54

Snowstorms
Snow Load Analysis for Structures, Arnfinn Rusten, Ronald L. Sack and Myron Molnau, ST1:Jan 80:11:15102

Snow Surveys
Airborne Snow Survey Using Natural Gamma Radiation, Thomas R. Carroll and Kenneth G. Vadnais, ASDC:80:1
Comparison of Areal Snow Sampling Procedures, Walter J. Rawls, Thomas J. Jackson and J. F. Zuzel, IRKB:July 80:356
Improved Watershed Management using Remote Sensing, Albert Rango, IRKB:July 80:1019

Soaking
Soaked Strength of Laboratory Compacted Clay, James C. Scott, Adolph G. Altschaeffl and Charles William Lovell, GT11:Nov 79:1273:14987

Social Aspects
Employment Practices from a Minority's Perspective, Cordell Reed, EI3:July 79:159:14718
Planning Implications of Outer Ring Road, Robin T. Underwood, UP1:Nov 80:19:15828
Problems in Applying Optimal Irrigation Plans, Charles E. Brockway and Richard G. Allen, WR1:Mar 80:255:15277
The Role of ASCE in Influencing Public Policy on Controversial Technical Issues, Karen Kirk, EI4:Oct 80:415:15780
Social Aspects of Water Resources Planning, Gene E. Willeke, WR1:Mar 79:79:14428

Social Communication
Principles of Public Involvement, Karl F. Schmid, UP1:May 78:1:13728

Social Impact
Economic and Seismic Hazard Mitigation for a Gas and Electric Utility, Ricahrd V. Bettinger, C080:80:98
Lifelines, Seismic Hazards and Public Policy, Charles Conrad Thiel, Jr., C080:80:6
Planning Initiatives for Seismic Hazard Mitigation, Dennis S. Mileti, C080:80:44
San Antonio Freeway: Social-Impact Landmark, Raymond H. Lindholm and Malcolm L. Steinberg, CE:June 80:80
Social Aspects of Water Resources Planning, Gene E. Willeke, WR1:Mar 79:79:14428
Two Centuries of Water Planning Methodology, Ray K. Linsley, WR1:Mar 79:39:14405
Water: A Perspective on Global Issues and Politics, Asit K. Biswas, WR2:Sept 79:205:14815

Social Needs
Access to Coastal Resources: The Access Concept Comes of Age, William W. Dreyfoos, CZ80:Nov 80:1719
Allocation of Risks—B, Terence G. McCusker, CRLS:Jan 79:II-56
America's Energy Future—A Primer and Discussion of Options, Kneeland A. Godfrey, Jr., CE:Sept 79:104
Baltimore: Public Involvement as Part of Planning, Sandra S. Lippman, CAAA:Nov 79:369
Beachfront Restoration Using Water Quality Programs, Owen W. Bludau, CZ80:Nov 80:2342
Community Programming in Newer Industrial Nations, Vernon E. Swanson, UP1:Jan 79:1:14280
Conference Summary, George R. Beetle, UT79A:July 79:1
Conflict Resolution: Lessons from Grays Harbor, Nan Evans, CZ80:Nov 80:776
Department of Energy Interests in Coastal Siting of Energy Facilities, Emmet W. Turner, CZ80:Nov 80:402
Effective Sludge Disposal — A Question of Policy, Martin Lang, EE80:July 80:664
Elected Office For Engineers?, Norman L. Cooper, EI4:Oct 79:233:14924
Elkhorn Slough: The Making of an Estuarine Sanctuary, Nona B. Dennis, Bruce Browning and Hal Bissell, CZ80:Nov 80:1939
Esthetic Impact of Boston Central Artery Project on Urban Environment, Francis R. Sholock, UP1:Jan 79:35:14318
Evaluating Wetlands: Status and Needs, John J. Balco, CZ80:Nov 80:494
Evaluation of Three Offshore LNG Terminal Designs for Southern California, Edgar Rust, PO80:May 80:352
Flood Emergency Evacuation Plans, Ronald E. Hilton, CZ80:Nov 80:1188
Flood Plain Management Needs, G. R. Phippen, EFHYF:Mar 79:322
A Geographic Information System for a Rural County, W. Kent Crowder, SU80:June 80:74
Guaranteeing Public Access in Publicity-Funded Shoreline Projects, Kenneth C. Caldwell, CZ80:Nov 80:1397
Honolulu International Airport Master Plan Study, Donald Maddison, MGC:July 80:65
Identification and Nature of Risks—D, Harry Sutcliffe, CRLS:Jan 79:II-40
The Impact of the Clean Air Act on Future Transportation, John O. Hidinger, CAAA:Nov 79:7
Improving the Utilization of Overseas Irrigation Systems, James M. Wolf and Francis E. Borcalli, IRKA:July 80:205
Including Air Quality in Transportation Decisions, John J. Roark, CAAA:Nov 79:37
Influences on Plans for the Santa Ana River Channel Mouth, Fala Powers, CZ80:Nov 80:1173
Intergovernmental Corrdination in North Carolina, Hubert Glenn T. Dunn and Charles W. Hollis, CZ80:Nov 80:2027
Keep the Mosquito Fleet in the City, Joanne Peterson, CZ80:Nov 80:51
Minimizing Risks and Mitigating Losses—B, Franklin T. Matthias, CRLS:Jan 79:II-133
Mode Alternatives for Serving Rail Freight Users, Benjamin S. Zodikoff, MGC:July 80:129
More Than Just Another Routine Job, CE:June 79:69
The National Cartographic Information Center an Assist in Finding Remotely Sensed Data, Alan R. Stevens, AS80:Aug 80:183
New Tools for Resolving Conflicts in Port Planning, Edward J. Linky and Bruce H. Hoff, CZ80:Nov 80:881
North Carolina Oil Refineries—Who Makes Decision?, Anne Taylor, CZ80:Nov 80:1045
Perceiving the Unseen Value of Coastal Wetlands, James D. Sears, CZ80:Nov 80:484
Political Action—Why Are Engineers Getting Involved?, Kneeland A. Godfrey, Jr., CE:Aug 80:66
Port Permitting Problems, Marcia Kenney, CZ80:Nov 80:791
A Practical Intergovernmental Coordination Program, Morgan R. Rees, CZ80:Nov 80:1984
Preserving Public Access: The Bay Experience, Nancy Wakeman Twiss, CZ80:Nov 80:1418
Pricing and Revenue Yield, William H. Crowell, UT79A:July 79:144
Principles & Techniques for Special Area Management: The Grays Harbor & Coos Bay Experience, Gordon E. Davis, CZ80:Nov 80:761
Remote Sensing that Motivated Community Action, Roland H. Brownlee, James P. Scherz and James M. Dennis, AS80:Aug 80:60
Resolution of Shoreline Disputes, Peter L. Buck and Jeffrey A. Layton, CZ80:Nov 80:1058
The Role of the Corps in Port Development, Douglas L. Haller, PO80:May 80:726

Session VIII—Environmental Applications, Michael B. Sonnen, EFHYF:Mar 79:430
Siting of Hazardous Waste Management Facilities, Dawn D. Roderique and Timothy D. Van Epp, EE80:July 80:320
Social Aspects of Water Resources Planning, Gene E. Willeke, WR1:Mar 79:79:14428
Subsidence—A Geological Problem with a Political Solution, Ann E. Seltz-Petrash, CE:May 80:60
Transportation and the 1977 Clean Air Act Amendments — Conference Summary, Edward C. Sullivan, CAAA:Nov 79:1
Transportation in A Socio-Physical Planning Model, Donald Wolbrink and Ellsworth B. Narris, MGC: July 80:237
Trinidad: A Solution for Coastal Land-Use Conflict, Steele Wotkyns, CZ80:Nov 80:1518
Waterfront Policy: Responding to Local Needs, Letitia C. Longord and Irene L. Murphy, CZ80: Nov 80:256
Watershed Management: The California Experience, Chuck Watson, IRKB:July 80:1048
Water Use For Electric Power Generation, David M. Snyder, K. T. Mao and Robert D. Glynn, Jr., EFHYF:Mar 79:400
Why Does the Public Resist High-Voltage Power Lines?, CE:Jan 80:88
The #53 Working Group: Local Participation in the Federal OCS Leasing Process, Ceila Lawren, CZ80: Nov 80:1087

Social Organization

Why Professional Schools for Engineers?, Dan H. Pietta, EI4:Oct 80:349:15747

Social Participation

Baltimore: Public Involvement as Part of Planning, Sandra S. Lippman, CAAA:Nov 79:369
Citizen Participation in Traffic Safety, Richard F. Beaubien, Preprint No.80-582, Oct 80, 8pp.
Citizens and Project Design: Management Team, John F. Metzger and David C. Colony, UP1:Nov 80:59:15855
Coastal Management Policy Emphasis in an Urban National Recreation Area, Herbert S. Cables and John T. Tanacredi, CZ80:Nov 80:213
Department of Energy Interests in Coastal Siting of Energy Facilities, Emmet W. Turner, CZ80:Nov 80: 402
Economics and Water Resources Planning in America, L. Douglas James and Jerry R. Rogers, WR1:Mar 79:47:14427
Engineers in Political Decision-Making Process, H. Lanier Hickman, Jr., EI2:Apr 80:117:15340
Flood Plain Management Needs, G. R. Phippen, EFHYF:Mar 79:322
Identification and Nature of Risks—D, Harry Sutcliffe, CRLS:Jan 79:II-40
Identification and Nature of Risks in Construction Projects — A Contractor's Perspective, J. Joseph Casey, CRLS:Jan 79:I-17
The Impact of the Clean Air Act on Future Transportation, John O. Hidinger, CAAA:Nov 79:7
Including Air Quality in Transportation Decisions, John J. Roark, CAAA:Nov 79:37
Keep the Mosquito Fleet in the City, Joanne Peterson, CZ80:Nov 80:51
Management of Coastal Resources In Arctic Alaska, Gretchen Keiser and Wayne Pichon, CZ80:Nov 80: 1481
The National Cartographic Information Center an Assist in Finding Remotely Sensed Data, Alan R. Stevens, AS80:Aug 80:183
North Carolina Oil Refineries—Who Makes Decision?, Anne Taylor, CZ80:Nov 80:1045
Participation in Transportation — Air Quality Plans, Betty McCarty, CAAA:Nov 79:375
Principles of Public Involvement, Karl F. Schmid, UP1:May 78:1:13728
Principles & Techniques for Special Area Management: The Grays Harbor & Coos Bay Experience, Gordon E. Davis, CZ80:Nov 80:761
Proposed Gray's Reef Marine Sanctuary: A Case Study, Carrol N. Curtis and Jeannette H. Phillips, CZ80:Nov 80:1969
Providing Public Waterfront Access in Maryland, Kathy H. Fitzpatrick, Trisha A. Bednarz and Earl H. Bradley, Jr., CZ80:Nov 80:1406
Public Participation in Environmental Statements, Steven M. Fusco, WR1:Mar 80:123:15264
The Puget Sound Air Quality Planning Process, Brent Carson and Max S. Power, CAAA:Nov 79: 382
Remote Sensing that Motivated Community Action, Roland H. Brownlee, James P. Scherz and James M. Dennis, AS80:Aug 80:60
San Antonio Freeway: Social-Impact Landmark, Raymond H. Lindholm and Malcolm L. Steinberg, CE:June 80:80
Siting of Hazardous Waste Management Facilities, Dawn D. Roderique and Timothy D. Van Epp, EE80:July 80:320
Transport Planning on Both Sides of the Pacific, Robert S. Nielson, MGC:July 80:248
Trinidad: A Solution for Coastal Land-Use Conflict, Steele Wotkyns, CZ80:Nov 80:1518
Urban Waterfront Revitalization Employing Visual Preference as a Strategy for Managing Visual Resources and Facilitating Public Participation, Thomas R. Hudspeth, CZ80:Nov 80:33
Washington I-205 — A Community Project, Dick Carroll, Preprint No.80-121, Apr 80, 16pp.
Watershed Management: The California Experience, Chuck Watson, IRKB:July 80:1048
Why Does the Public Resist High-Voltage Power Lines?, CE:Jan 80:88

Social Perception

Bridge Appearance, Colin O'Connor, Michael D. Burgess, Michael J. Egan and John L. Olsen, ST1: Jan 80:331:15107
The Role of ASCE in Influencing Public Policy on Controversial Technical Issues, Karen Kirk, EI4:Oct 80:415:15780
Wetlands Regulations and Public Perceptions, Thomas M. Leschine and Stephen R. Cassella, CZ80:Nov 80:1789

Social Values

Public Obligation and the Ethics System, William H. Wisely, EI3:July 79:131:14685
The Role of ASCE in Influencing Public Policy on Controversial Technical Issues, Karen Kirk, EI4:Oct 80:415:15780

Social Welfare

Transport Planning on Both Sides of the Pacific, Robert S. Nielson, MGC:July 80:248

Socioeconomic Data

Socioeconomic Impacts of Urban Tunnel Projects: An Approach to a Prediction Model, Peter Wolff, Preprint No.80-016, Apr 80, 22pp.

Sodium

Natural Fluctuations of Water Quality in a Headwater Stream, Joe F. Nix, EFHYF:Mar 79:391
Using High Salinity Waters in the Southwest, John R. Erickson, IRKA:July 80:198

Softening

Constitutive Model for Short-Time Loading of Concrete, Niels Saabye Ottosen, EM1:Feb 79:127: 14375
Simulation of Lime-Soda Softening, Li-Shiang Liang, Irvine W. Wei and Henry G. Sideropoulos, EE5: Oct 80:935:15756

Soft Soils

Geotechnical Properties and Foundation Problems of Shanghai Soft Clays, Hsai Yang Fang, Preprint No.80-176, Apr 80, 23pp.
Self-Boring Pressuremeter Study of San Francisco Bay Mud, G. Wayne Clough and Gordon M. Denby, GT1:Jan 80:45:15148

Soil Analysis
Issues Related To Soil-Structure Dynamic Analysis, Asadour H. Hadjian, EM81:Jan 81:600

Soil Cement
Soil-Cement for Protection of Shorelines, William G. Dinchak, CZ80:Nov 80:2203
Static and Dynamic Properties of Sand-Cement, Jean-Michel Dupas and Alain Pecker, GT3:Mar 79: 419:14425

Soil Chemistry
Soil Chemistry Changes at Rapid Infiltration Site, Paul E. Levine, Ronald W. Crites and James V. Olson, EE5:Oct 80:869:15767

Soil Classification
Construction on Expansive Rock, K. L. Logani, SLS: June 80:496
Field Studies of Airport Pavements on Expansive Clay, R. Gordon McKeen, SLS:June 80:242

Soil Compaction
Analysis of Soil Compactibility by Rollers, Raymond N.Y. Yong and E. A. Fattah, Preprint No.80-646, Oct 80, 14pp.
Dynamic Compaction of Granular Soils, Gerald A. Leonards, William A. Cutter and Robert D. Holtz, GT1:Jan 80:35:15144

Soil Components
Prediction of Expansive Clay Behaviour, Silvan Andrei, Corneliu Athanasiu and Sanda Manea, SLS:June 80:76

Soil Conservation
Equipment for Investigations of Fluvial Sediment, Paul C. Benedict, HY3:Mar 79:163:14407
Estimating Sediment Yield from Cultivated Fields, George R. Foster, Leonard J. Lane and Walter G. Knisel, Jr., IRKB:July 80:151
Physical-Economic Evaluation of Tillage Systems, Daniel Taylor, Douglas Young and Donald McCool, IRKB:July 80:985

Soil Consolidation Tests
In-Situ Volume-Change Properties by Electro-Osmosis - Theory, Sunirmal Banerjee and James K. Mitchell, GT4:Apr 80:347:15370
Organic Material and Soil Compressibility, Orlando B. Andersland and Abdul-Amir W.N. Al-Khafaji, GT7:July 80:749:15546

Soil Deformation
Rheology of Swelling Soils and Deformation Forecast, Abbas Ali ogly Mustafayev and G. D. Chigniev, SLS:June 80:760

Soil Dynamics
Dynamic Stiffness and Damping of Pile Groups in Inhomogeneous Soil, Toyoaki Nogami, GTA80:Oct 80:31
Energy Dynamics of SPT, John H. Schmertmann and Alejandro Palacios, GT8:Aug 79:909:14769
Probabilistic Soil Dynamics: State-of-the-Art, John T. Christian, GT4:Apr 80:385:15339
Shear and Rayleigh Waves in Soil Dynamics, George C. Gazetas and Mishac K. Yegian, GT12:Dec 79: 1455:15053
Shear Moduli and Damping Factors of Earth Dam, Ahmed M. Abdel-Ghaffar and Ronald F. Scott, GT12:Dec 79:1405:15034
Static and Dynamic Laterally Loaded Floating Piles, Roger L. Kuhlemeyer, GT2:Feb 79:289:14394

Soil Erosion
Erosivity Values for Individual Design Storms, Keith R. Cooley, IR2:June 80:135:15462
Physical-Economic Evaluation of Tillage Systems, Daniel Taylor, Douglas Young and Donald McCool, IRKB:July 80:985
Product Case Histories: What Stands Out?, Philip V. Di Vietro, CE:Aug 79:76
Saving the U.S's Rapidly Dwindling Farmland and Other Priceless Natural Resources, Eugene E. Dallaire, CE:Sept 80:81
Universal Soil Loss Equation and Rangelands, W. H. Blackburn, IRKB:July 80:588

Soil Fertility
Soil Solution Chemistry and Slash Disposal, George E. Hart, Norbert V. DeByle and Robert W. Hennes, IRKB:July 80:318

Soil Freezing Tests
Field Evaluation of Hammer Efficiency and Pile Driving Criteria, Dunstan D. S. Chen, James V. Toto and I. H. Wong, GTDF:80:64

Soil Grouting
Cross-Borehole Observation of Soil Grouting, Edwin F. Laine, R. Jeffrey Lytle and Justin T. Okada, GT8:Aug 80:871:15649

Soil Investigations
Cone Penetration in Soil Profiling, Mohsen M. Baligh, Vitoon Vivatrat and Charles C. Ladd, GT4: Apr 80:447:15377

Soil Lime
Treatment of Expansive Clay Canal Lining, Jack G. Byers, SLS:June 80:401

Soil Liquefaction
Gas and Liquid Fuel Pilpeline Seismic Design, William J. Hall and Robert P. Kennedy, C080:80: 150
Liquefaction Of Soil During Earthquakes, S. Nemat-Nasser, EM81:Jan 81:376
Liquefaction Potential: Science Versus Practice, Ralph B. Peck, GT3:Mar 79:393:14418
Liquefaction Study of Cemented Sand, Sam Frydman, David Hendron, Harry Horn, Joav Steinbach, Rafael Baker and Benzion Shaal, GT3: Mar 80:275:15289
Pore-Pressure Dissipation During Offshore Cyclic Loading, Geoffrey R. Martin, Ignatius Lam and Chan-Feng Tsai, GT9:Sept 80:981:15706
Probabilistic Soil Dynamics: State-of-the-Art, John T. Christian, GT4:Apr 80:385:15339
Seismic Zonation in the San Francisco Bay Region, Earl E. Brabb, C080:80:54
Shear and Rayleigh Waves in Soil Dynamics, George C. Gazetas and Mishac K. Yegian, GT12:Dec 79: 1455:15053
Simplified Procedure for Effective Stress Anaysis of Ground Response, Philippe P. Martin and H. Bolton Seed, GT6:June 79:739:14659
Site Factors Controlling Liquefaction, Rafael M. Blazquez, Raymond J. Krizek and Zdenek P. Bazant, GT7:July 80:785:15577
Soil Sampling in Europe: State-of-the-Art, Bengt B. Broms, GT1:Jan 80:65:15149
Static Shear and Liquefaction Potential, Yoginder P. Vaid and W. D. Liam Finn, GT10:Oct 79:1233: 14909

Soil Loss Equation
Areawide Soil Loss Predictions Using CIR Airphotos, Ken M. Morgan and Randolph Nalepa, AS80:Aug 80:24
Universal Soil Loss Equation and Rangelands, W. H. Blackburn, IRKB:July 80:588

Soil Mechanics
Capacities of Steel H Piles Supported in Shale, Larry G. O'Dell and Alan N. Stilley, GTDF:80:288
Case History: Pile Foundation in Flood Plain Soils, K. A. Kessler, GTDF:80:215
Intrusion Pile Foundation Case History, Larry G. O'Dell and John M. Pool, GTDF:80:300
Keynote Address, Spencer J. Buchanan, SLS:June 80: 661
Loading Rate Effects on Compressibility of Sand, John G. Jackson, Jr., John Q. Ehrgott and Behzad Rohani, GT8:Aug 80:839:15640

Pile Foundations for One Market Plaza, Edward E. Rinne and Michael W. Stobbe, GTDF:80:343
Slope Effect on House Shrink-Swell Movements, John H. Schmertmann and David K. Crapps, GT12:Dec 80:1327:15943
Suction Controlled Penetration and Shear Tests, Ventura Escario, SLS:June 80:781

Soil Moisture
Airborne Snow Survey Using Natural Gamma Radiation, Thomas R. Carroll and Kenneth G. Vadnais, ASDC:80:1
Applicability of Space Acquired Data for Water Resources Management, Vincent V. Salomonson, V. Ralph Algazi and Donald R. Wiesnet, EFHYF:Mar 79:125
Behaviour of Expansive Soils with a Crumb Structure, Mihail Popescu, SLS:June 80:158
Deep Vertical Fabric Moisture Seals, Malcolm L. Steinberg, SLS:June 80:383
Designing for Deficit Irrigation, Marshall J. English and G. S. Nuss, IRKA:July 80:312
Effluent Irrigation at Lubbock, Texas, Robert M. Sweazy, Heyward R. Ramsey, III and George A. Whetstone, EE80:July 80:357
Evapotranspiration under Depleting Soil Moisture, Wiboon Boonyatharokul and Wynn R. Walker, IR4: Dec 79:391:15018
Flood Frequency Modeling and Outliers, Krishan P. Singh, HYCO:Aug 80:74
A Foundation Code for Expansive Soil Conditions, Joseph G. Zeitlen and Amos Komornik, SLS:June 80:609
Hydrologic Transport Model for Surface Mined Lands (Abstract), Mark E. Auernhamer, IRKB:July 80:911
Improved Watershed Management using Remote Sensing, Albert Rango, IRKB:July 80:1019
Modeling supplement Irrigation Water Demand, J. David Dean, IR4:Dec 80:285:15897
Profile Soil Moisture from Surface Measurements, Thomas J. Jackson, IR2:June 80:81:15474
Runoff Curve Numbers with Varying Site Moisture, Richard H. Hawkins, IR4:Dec 78:389:14254
A Simple Method to Characterize Watershed Soils, James W. Naney and Lajpat R. Ahuja, IRKB:July 80:731
Soil Moisture and Snowpack after Clearcutting, George E. Hart and David A. Lomas, IRKB:July 80:311
Variable Drainable Porosity in Drainage Design, Ashim K. Bhattacharya and Robert S. Broughton, IR1:Mar 79:71:14433
Watershed Parameters as Influenced by Grazing, W. H. Blackburn, R. W. Knight, M. K. Wood and L. B. Merrill, IRKB:July 80:552
Water Supply Forecasting in California - 1976-78, Charles H. Howard, EFHYF:Mar 79:285

Soil Moisture Movement
Some Secrets to Building Structures on Expansive Soils, Basil A. Kantey, CE:Dec 80:53

Soil Penetration
Driveability of Piles in Pacific Northwest Soils, Ralph N. Boirum, Ming-Jiun Wu and George Yamane, Preprint No.80-094, Apr 80, 22pp.

Soil Penetration Tests
Suction Controlled Penetration and Shear Tests, Ventura Escario, SLS:June 80:781

Soil Porosity
Land Imprinting for Better Watershed Management, Robert M. Dixon and John R. Simanton, IRKB: July 80:809

Soil Properties
Beam Equation with Variable Foundation Coefficient, Joel N. Franklin and Ronald F. Scott, EM5:Oct 79: 811:14926
The Behaviour and Design of Housing Slabs on Expansive Clays, John E. Holland, William G. Pitt, Charles E. Lawrance and Dominic J. Cimino, SLS: June 80:448
Cation Transport in Packed Bed Reactor of Soil, Allen R. Overman, Brian R. McMahon, Roian L. Chu and Flora C. Wang, EE2:Apr 80:267:15321
Characterization of Expansive Soils Using Soil Suction Data, Donald R. Snethen, SLS:June 80:54
Coefficients of Soil Reaction to Pile Vibration, Toyoaki Nogami and Milos Novak, TN: GT5:May 80:565:15432
Confined Flow in Aquifer Containing Thin Layer, Charles W. Lenau, EM4:Aug 80:719:15630
Creep Damage to Structures on Expansive Clay Slopes, Robert L. Lytton and Larry D. Dyke, SLS: June 80:284
Cubical Multiaxial Cell for Testing Cohesive Soils, Bruce E. Berends and Hon-Yim Ko, TN: GT1:Jan 80:106:15100
Cyclic Shear Resistance of Noncohesive Soils, Edward G. Prater, TN: GT1:Jan 80:111:15100
Design Considerations and Evaluation Methods for Collapsible Soils, Samuel P. Clemence and Albert O. Finbarr, Preprint No.80-116, Apr 80, 22pp.
Drainage in the Humid Region of the Pacific Northwest, Gordon W. Stroup and Donald L. Stettler, IRKA:July 80:251
Earth Media Effects in Soil-Structure Interaction, Joseph J. Fedock, Preprint No.80-036, Apr 80, 17pp.
Geomorphic Indices of Hydrologic Characteristics, R. B. White and Richard H. Hawkins, IRKB:July 80: 54
Geotechnical Properties and Foundation Problems of Shanghai Soft Clays, Hsai Yang Fang, Preprint No.80-176, Apr 80, 23pp.
Initial Excess Pore Pressure in Soils, Panchanatham N. Sundaram, TN: GT4:Apr 80:465:15304
In Situ Tests by Flat Dilatometer, Silvano Marchetti, GT3:Mar 80:299:15290
Limitations of the Axis Translation Technique, K. A. Bocking and D. G. Fredlund, SLS:June 80:117
Penetrability for Discriminating in Rock and Soil, Panaghiotis C. Kotzias and Aris C. Stamatopoulos, TN: GT2:Feb 80:193:15193
Plastic-Limit Equilibrium States in Soil Media, Jean-Herve Prevost and Beverly E. Hjorth, Preprint No.80-574, Oct 80, 14pp.
Prediction of Expansive Clay Behaviour, Silvan Andrei, Corneliu Athanasiu and Sanda Manea, SLS:June 80:76
The Prediction of Total Heave, D. G. Fredlund, J. U. Hasan and H. L. Filson, SLS:June 80:1
Probabilistic Site-Dependent Response Spectra, Anne S. Kiremidjian and Haresh C. Shah, ST1:Jan 80:69: 15110
Recording Unconfined Tension Tester, Colin R. Thorne, N. Keith Tovey and Rick Bryant, TN: GT11:Nov 80:1269:15790
Research Analysis of Plastic Filters, Phillip M. Demery, IRKA:July 80:398
Resilient Properties of Subgrade Soils, Marshall R. Thompson and Quentin L. Robnett, TE1:Jan 79:71: 14293
Soil as an Anisotropic Kinematic Hardening Solid, W. D. Liam Finn and Geoffrey R. Martin, Preprint No.80521, Oct 80, 19pp.
Soil Solution Chemistry and Slash Disposal, George E. Hart, Norbert V. DeByle and Robert W. Hennes, IRKB:July 80:318
Stress Path Method: Second Edition, T. William Lambe and W. Allen Marr, GT6:June 79:727:14655
Variability of an Expansive Clay Deposit, D. G. Fredlund, J. Krahn and J. U. Hasan, SLS:June 80: 322

Soils
Analysis of Soil Response with Different Plasticity Models, E. Mizuno and Wai F. Chen, Preprint No.80-637, Oct 80, 14pp.
Drainage in the Humid Region of the Pacific Northwest, Gordon W. Stroup and Donald L. Stettler, IRKA:July 80:251

Watershed Parameters as Influenced by Grazing, W. H. Blackburn, R. W. Knight, M. K. Wood and L. B. Merrill, IRKB:July 80:552

Soil Samples
Limitations of the Axis Translation Technique, K. A. Bocking and D. G. Fredlund, SLS:June 80:117
X-Ray Analysis and Suspended Sediment Source Area, Carlton S. Yee and Annette Parsons, IRKB: July 80:442

Soil Sampling
Energy Dynamics of SPT, John H. Schmertmann and Alejandro Palacios, GT8:Aug 79:909:14769
Soil Sampling in Europe: State-of-the-Art, Bengt B. Broms, GT1:Jan 80:65:15149

Soil Science
Some Secrets to Building Structures on Expansive Soils, Basil A. Kantey, CE:Dec 80:53

Soil Shrinkage
Behavior of Expansive Soils in Western Canada, J. J. Hamilton, SLS:June 80:815
Behaviour of Expansive Soils with a Crumb Structure, Mihail Popescu, SLS:June 80:158
A Foundation Code for Expansive Soil Conditions, Joseph G. Zeitlen and Amos Komornik, SLS:June 80:609
Some Secrets to Building Structures on Expansive Soils, Basil A. Kantey, CE:Dec 80:53
Summary of Panel Discussion on Testing and Prediction Methods, Leonard Krazynski, V. Escario, D. G. Fredlund, R. L. Lytton, John Holland, R. G. McKeen, Peter Mitchell and A. A.B. Williams, SLS:June 80:683

Soil Stability
Engineering Planning of Dike and Polder Airports, Frank T. Wheby, TE3:May 80:245:15417
Expansion of Cavities in Sand, H. B. Poorooshasb and B. Lelievre, Preprint No.80-543, Oct 80, 14pp.
Hydroconsolidation Stability of Palouse Loess, Bertel O. Olson, Preprint No.80-031, Apr 80, 12pp.
Seasonal Heave of Australian Clay Soils, John E. Holland and Charles E. Lawrance, SLS:June 80:302
Simplified Passive Earth Pressure Analysis, Prabir K. Basudhar and Madhira R. Madhav, TN: GT4:Apr 80:470:15304
Soil Movement in Geotextile Reinforced Roads, Thomas C. Kinney and Ernest J. Barenberg, Preprint No.80-177, Apr 80, 24pp.

Soil Stabilization
Barrier Island Management, Stephen P. Leatherman, CZ80:Nov 80:1470
Electro-Osmosis Chemistry and Water Quality, Burton A. Segall, Charles E. O'Bannon and Judson A. Matthias, TN: GT10:Oct 80:1148:15724
Future Advances in Soil Placement and Improvement, J. Richard Bell, GT1:Jan 78:1:13469
Lime Columns—A New Foundation Method, Bengt B. Broms and Per Boman, GT4:Apr 79:539:14543
Static and Dynamic Properties of Sand-Cement, Jean-Michel Dupas and Alain Pecker, GT3:Mar 79: 419:14425
Treatment of Expansive Clay Canal Lining, Jack G. Byers, SLS:June 80:401
The Use of Synthetic Fabrics in Coastal Dune Stabilization, Donald K. Stauble, CZ80:Nov 80: 2190

Soil Strength
Simplified Procedure for Evaluating Embankment Response, Faiz I. Makdisi and H. Bolton Seed, GT12:Dec 79:1427:15055

Soil Structure
Study in Physical Theory of Expansiveness in Clays, Ewa T. Stepkowska, SLS:June 80:136

Soil-Structure Interaction
Analysis of Stiffened Slabs-on-Ground over Expansive Soil, Warren K. Wray, SLS:June 80:558
Assessment of Expansive Soils in the United States, James P. Krohn and James E. Slosson, SLS:June 80:596
Behavior and Design of Long-Span Metal Culverts, James M. Duncan, GT3:Mar 79:399:14429
Boundary Elements in Stress Analysis, Carlos A. Brebbia and Roberto Nakaguma, EM1:Feb 79:55: 14338
Computer Analysis of Newtown Creek Culvert, Ching S. Chang, Julio M. Espinoza and Ernest T. Selig, GT5:May 80:531:15438
Dynamic Interaction On Liquid Storage Tanks And Foundation Soil, Medhat A. Haroun and George W. Housner, EM81:Jan 81:346
Dynamic Pile Interaction, Kin Y.C. Chung and Robert D. Stoll, Preprint No.80-038, Apr 80, 22pp.
Dynamic Response of Piles in Offshore Platforms, Robert G. Bea, GTA80:Oct 80:80
Dynamic Response With Foundation Interaction, Timothy O. Weaver, Furman W. Barton and Richard T. Eppink, EM81:Jan 81:252
Dynamics of Vibratory-Roller Compaction, Tai-Sung Yoo and Ernest T. Selig, GT10:Oct 79:1211:14907
Dynamic Stiffness and Damping of Pile Groups in Inhomogeneous Soil, Toyoaki Nogami, GTA80:Oct 80:31
Dynamic Stiffness Matrices for Viscoelastic Half Planes, Gautam Dasgupta and Anil K. Chopra, EM5:Oct 79:729:14888
Earth Media Effects in Soil-Structure Interaction, Joseph J. Fedock, Preprint No.80-036, Apr 80, 17pp.
Earthquake-Induced Lateral Soil Pressures on Structures, Hagop N. Nazarian and Asadour H. Hadjian, GT9:Sept 79:1049:14805
Earthquake Response of Buried Insulated Pipes, Aly Hindy and Milos Novak, EM6:Dec 80:1135:15886
Earthquake Response of Nuclear Power Facilities, James J. Johnson and Robert P. Kennedy, EY1:Jan 79:15:14296
Earthquake Simulation Using Contained Explosions, John R. Bruce and Herbert E. Lindberg, EM81:Jan 81:111
Engineering Approximations for the Dynamic Behaviour of Deeply Embedded Foundations, A. P. S. Selvadurai and M. Rahman, EM81:Jan 81:361
Evaluation Of Soil-Structure Interaction Methods, Anand K. Singh, Tzu-I Hsu, Tara P. Khatua and Shih-Lung Chu, EM81:Jan 81:580
Field Study of Pipe Driving Effects on Nearby Structures, David M. Holloway, Yoshiharo Moriwaki, Edward C. Demsky, Bruce H. Moore and Jean Yves Perez, Preprint No.80-175, Apr 80, 38pp.
Finite Element Analysis of Caisson-Structure and Soil-Structure Interaction, Daniel A. Cuoco, Leonard M. Joseph, Richard L. Tomasetti and Emmanuel Velivasakis, Preprint No.80-144, Apr 80, 16pp.
Foundation Impedance Matrices by Substructure Deletion, Gautam Dasgupta, EM3:June 80:517: 15491
GEOTRACK Model for Railroad Truck Performance, Ching S. Chang, Clement W. Adegoke and Ernest T. Selig, GT11:Nov 80:1201: 15819
High Explosive Simulation of Earthquake-Like Motions, Cornelius J. Higgins, Roy L. Johnson, George E. Triandafilidis and David W. Steedman, EM81:Jan 81:126
Hybrid Modeling Of Seismic Soil-Structure Interaction, Sunil Gupta and Joseph Penzien, EM81:Jan 81:201
Influence of Soil-Pipe Interaction on Pipeline Design, Syed Ahmed, Ralph W. McMickle and Carl L. Brassow, Preprint No.80-050, Apr 80, 23pp.
Interaction of Piles and Cap in Piled Footings, Joe O. Akinmusuru, TN: GT11:Nov 80:1263:15790
Interactions of Mine and Mill Waste with Natural Earth Materials, Jerry B.F. Champlin, Preprint No.80-559, Oct 80, 8pp.
Issues Related To Soil-Structure Dynamic Analysis, Asadour H. Hadjian, EM81:Jan 81:600

Legal Aspect of Expansive Soils, Fu Hau Chen, SLS: June 80:639
A Model for Slab Foundations on Expansive Soils, Stefanos S. Tsotsos, SLS:June 80:551
Natural Frequency of Timoshenko Beam on Flexible Base, Anestis P. Papadopoulos and David M. Trujillo, EM2:Apr 80:307:15311
On The Reduction Of 3D Soil-Structure Interaction Problems TO 2D Models -a1A., Asadour H. Hadjian, J. E. Luco and Hung Leung Wong, EM81: Jan 81:217
Pile Cap Soil Interaction from Full-Scale Lateral Load Tests, Jai B. Kim, Lakshman P. Singh and Robert J. Brungraber, GT5:May 79:643:14571
Pile Foundation Analysis, William E. Saul, Preprint No.80-102, Apr 80, 20pp.
Pull-Out Load Test of a Drilled Pier in Very Stiff Beaumont Clay, Richard A. Pearce and Carl L. Brassow, GTDF:80:331
Seismically Induced Sliding of Massive Structures, Eduardo Kausel, Albert Stanley Lucks, Lewis Edgers, William F. Swiger and John T. Christian, GT12:Dec 79:1471:15065
Simplified Analysis for Tunnel Supports, Herbert H. Einstein and Charles W. Schwartz, GT4:Apr 79: 499:14541
Soil-Pipe Interaction of Heated Oil Pipelines, Bing C. Yen, Ching H. Tsao and Robert D. Hinkle, Preprint No.80-163, Apr 80, 22pp.
Soil-Structure Interaction in Seismic Analysis, Robert F. Oleck, Jr. and Samuel P. Clemence, Preprint No.80-037, Apr 80, 21pp.
The Structural Analysis of Footings on Expansive Soil, P. W. Mitchell, SLS:June 80:438
A Study of Axial Pile Load Tests, Shailendra N. Endley, Edward J. Ulrich, Jr. and Janice B. Gray, GTDF:80:101
Uplift of Drilled Rigid Piers in Loose Sand, H. B. Poorooshasb, Preprint No.80-544, Oct 80, 14pp.
The Use of Computers in Earthquake Engineering, Wayne W.H. Chen and M. Chatterjee, CP80:June 80:197

Soil Suction

The Concepts Defining the Rate of Swell of Expansive Soils, P. W. Mitchell, SLS:June 80:106
Field Studies of Airport Pavements on Expansive Clay, R. Gordon McKeen, SLS:June 80:242
Field Test Sections on Expansive Soils, Lawrence D. Johnson, SLS:June 80:262
Limitations of the Axis Translation Technique, K. A. Bocking and D. G. Fredlund, SLS:June 80:117
Summary of Open Discussion, D. R. Snethen, A. Ruckman, D. G. Fredlund, R. L. Lytton, R. G. McKee, W. G. Holtz, M. L. Steinburg, D. H. van der Merwe, Z. Ofer, C. Coffee, E. Stepkowska, B. Balasubramonian, A. A.B. Williams, H. Reitz and P. Mitchell, SLS:June 80:717

Soil Surveys

Drainage in the Humid Region of the Pacific Northwest, Gordon W. Stroup and Donald L. Stettler, IRKA:July 80:251

Soil Swelling

Behavior of Expansive Soils in Western Canada, J. J. Hamilton, SLS:June 80:815
Behaviour of Expansive Soils with a Crumb Structure, Mihail Popescu, SLS:June 80:158
The Concepts Defining the Rate of Swell of Expansive Soils, P. W. Mitchell, SLS:June 80:106
Construction and Design of Light Structures in Peru, A. Carrillo-Gil, SLS:June 80:469
Deep Vertical Fabric Moisture Seals, Malcolm L. Steinberg, SLS:June 80:383
Field Studies of Airport Pavements on Expansive Clay, R. Gordon McKeen, SLS:June 80:242
Field Test Sections on Expansive Soils, Lawrence D. Johnson, SLS:June 80:262
A Foundation Code for Expansive Soil Conditions, Joseph G. Zeitlen and Amos Komornik, SLS:June 80:609
Minimizing Foundation Swell Potential in Yazoo Clay, James E. Laier and Joseph H. Lamar, SLS: June 80:421
Pile Foundations in Swelling Soils, E. A. Sorochan, SLS:June 80:845
Relationships and Variations of Properties of Clay, Thomas M. Petry and J. Clyde Armstrong, SLS: June 80:172
Rheology of Swelling Soils and Deformation Forecast, Abbas Ali ogly Mustafayev and G. D. Chigniev, SLS:June 80:760
Stressed-Strained State of Expansive Soil Massifs, N. A. Tsytovich, Z. G. Ter-Martirosyan and G. Ya. Karapetov, SLS:June 80:866
Suction Controlled Penetration and Shear Tests, Ventura Escario, SLS:June 80:781
Summary of Open Discussion, D. R. Snethen, A. Ruckman, D. G. Fredlund, R. L. Lytton, R. G. McKee, W. G. Holtz, M. L. Steinburg, D. H. van der Merwe, Z. Ofer, C. Coffee, E. Stepkowska, B. Balasubramonian, A. A.B. Williams, H. Reitz and P. Mitchell, SLS:June 80:717
Summary of Panel Discussion on Testing and Prediction Methods, Leonard Krazynski, V. Escario, D. G. Fredlund, R. L. Lytton, John Holland, R. G. McKeen, Peter Mitchell and A. A.B. Williams, SLS:June 80:683

Soil Tests

Behaviour of Expansive Soils with a Crumb Structure, Mihail Popescu, SLS:June 80:158
Building on Expansive Soils in South Africa: 1973-1980, Antony AB Williams and George W. Donaldson, SLS:June 80:834
Cubical Multiaxial Cell for Testing Cohesive Soils, Bruce E. Berends and Hon-Yim Ko, TN: GT1:Jan 80:106:15100
Effects of Pore Fluid on the Swelling of Clay-Shale, N. R. Morgenstern and B. I. Balasubramonian, SLS: June 80:190
Field Studies of Airport Pavements on Expansive Clay, R. Gordon McKeen, SLS:June 80:242
Limitations of the Axis Translation Technique, K. A. Bocking and D. G. Fredlund, SLS:June 80:117
Rheology of Swelling Soils and Deformation Forecast, Abbas Ali ogly Mustafayev and G. D. Chigniev, SLS:June 80:760
Soil Sampling in Europe: State-of-the-Art, Bengt B. Broms, GT1:Jan 80:65:15149
Special Address—Conference Overview, Leonard Krazynski, SLS:June 80:671
Stable Embedment Depth of Piles in Swelling Clay, D. David and A. Komornik, SLS:June 80:798
Summary of Open Discussion, D. R. Snethen, A. Ruckman, D. G. Fredlund, R. L. Lytton, R. G. McKee, W. G. Holtz, M. L. Steinburg, D. H. van der Merwe, Z. Ofer, C. Coffee, E. Stepkowska, B. Balasubramonian, A. A.B. Williams, H. Reitz and P. Mitchell, SLS:June 80:717
Summary of Panel Discussion on Testing and Prediction Methods, Leonard Krazynski, V. Escario, D. G. Fredlund, R. L. Lytton, John Holland, R. G. McKeen, Peter Mitchell and A. A.B. Williams, SLS:June 80:683
Tile Drainage of Irrigated Till Soils in Alberta, B. A. Paterson and D. Brook Harker, IRKA:July 80:263

Soil Treatment

Building on Expansive Soils in South Africa: 1973-1980, Antony AB Williams and George W. Donaldson, SLS:June 80:834

Soil Void Ratio

Study in Physical Theory of Expansiveness in Clays, Ewa T. Stepkowska, SLS:June 80:136

Soil Water

Behaviour of Expansive Soils with a Crumb Structure, Mihail Popescu, SLS:June 80:158
Phosphate Mine Dump Hydrology, Eugene E. Farmer, IRKB:July 80:846
Prediction of Expansive Clay Behaviour, Silvan Andrei, Corneliu Athanasiu and Sanda Manea, SLS:June 80:76

Range Treatment Effects on Infiltration Rates, John M. Tromble, IRKB:July 80:802
Study in Physical Theory of Expansiveness in Clays, Ewa T. Stepkowska, SLS:June 80:136

Soil Water Storage
Soil Moisture and Snowpack after Clearcutting, George E. Hart and David A. Lomas, IRKB:July 80:311

Solar Energy
Production Functions for Tomatoes as Affected by Irrigation and Row Spacing, W. O. Pruitt, A. A. Kamgar, D. W. Henderson and Robert M. Hagan, IRKA:July 80:346
Solar Access and Sun Rights, David C. Moore, UP1: Nov 80:11:15822
Solar Energy for Heating Homes: How Practical?, Eugene E. Dallaire, CE:Feb 80:38
U.S. Energy Production—We Must Remove These Roadblocks, CE:Dec 79:66

Solar Power Generation
Building Skyscrapers in Orbit, Michael J. Bartos, Jr., CE:July 79:66
Energy From Space, Ann E. Seltz-Petrash, CE:July 79:53
Space: A Place to Work, Virginia Fairweather, CE: July 79:48

Solar Radiation
Solar Access and Sun Rights, David C. Moore, UP1: Nov 80:11:15822
Use of Digital Terrain Data in Topographic Analysis, Siamak Khorram and H. Gregory Smith, ASDC:80: 368

Solidification
Viscoelasticity of Solidifying Porous Material—Concrete, Zdenek P. Bazant, EM6:Dec 77:1049: 13432

Solids Flow
Transporting Solid Particles in Smooth Pipelines, Walter Chin Mih, TE4:July 79:427:14704

Solid Waste Disposal
EPA Launches Program to Control Hazardous Wastes, Eugene E. Dallaire, CE:Dec 78:39
Fluid-Bed Combustion and Gasification Solids Disposal, Dale L. Keairns, Colette C. Sun, Charles H. Peterson and Richard A. Newby, EY2:Oct 80: 213:15749
Hospital Solid Waste Management: A Case Study, Damodar S. Airan, John H. Bell, Lalita D. Airan and Daniel T. McMurray, EE4:Aug 80:741:15613
Multiattribute Utility Theory and Environmental Decisions, John P. Collins and Eugene A. Glysson, EE4:Aug 80:815:15648

Solid Wastes
Ames and the Environment, Robert A. Olexsey, Preprint No.80-151, Apr 80, 20pp.
Anaerobic Digestion of Cannery Tomato Solid Wastes, David J. Hills and Ronald S. Dykstra, EE2:Apr 80:257:15318
Comprehensive Solid Waste Plan — Palm Beach County, Timothy F. Hunt, Jr., Preprint No.80-628, Oct 80, 7pp.
Data Base Use for Regional Environmental Planning, Lyman F. Wible, TE5:Sept 80:559:15677
Duluth Sanitary District First in U.S. to Take Charge of Both Sewage and Refuse, Eugene E. Dallaire, CE:June 80:60
Energy Research Needs and the Civil Engineer, CE: Oct 79:58
EPA Launches Program to Control Hazardous Wastes, Eugene E. Dallaire, CE:Dec 78:39
Hospital Solid Waste Management: A Case Study, Damodar S. Airan, John H. Bell, Lalita D. Airan and Daniel T. McMurray, EE4:Aug 80:741:15613
The Impact of EPA's Proposed Guidelines for the Landfill Disposal of Solid Wastes, Wayne K. Tusa, Preprint No.80-590, Oct 80, 13pp.
Leachate Generation from a Sludge Disposal Area, Wayne A. Charlie, Richard E. Wardwell and Orlando B. Andersland, EE5:Oct 79:947:14884
Leachate Recycle as Landfill Management Option, Frederick G. Pohland, EE6:Dec 80:1057:15899
Leachates from Solid Waste Recovery Operations, A. Douglas Rademaker and James C. Young, Preprint No.80-040, Apr 80, 22pp.
Moisture Retention of Landfilled Solid Wastes, Raymond L. Huitric, Sagar Raksit and Roger T. Haug, EE80:July 80:55
Regional Resource Recovery Center Cost Analysis, Paul L. Bishop, Elizabeth Howard, Marcia Flinkstrom, Cindy White and Robert Cook, EE5: Oct 80:977:15760
Synfuel Facilities: Environmental Control Strategies, Warren H. Chesner and Howard Wiseman, EE80: July 80:504

Solubility
Stress Analysis of Marine Limestone Solution Features, Shelly Prager and Zen Yang, Preprint No.80-619, Oct 80, 17pp.

Solutes
Dispersion in Rough Rectangular Channels, Eric M. Valentine and Ian R. Wood, HY12:Dec 79:1537: 15088
Experiments in Longitudinal Dispersion with Dead Zones, Eric M. Valentine and Ian R. Wood, HY8: Aug 79:999:14790

Solutions
Steady Solution for River Flow, Robert F. Allen, TN: HY4:Apr 80:608:15305
Uniqueness of Solution in Limit Analysis of Structures, A. Franchi and M. Z. Cohn, EM5:Oct 78:1229:14091

Sonar
Pipelines—Positioning and Survey Problems, Stanley W. Hole, SU1:Nov 79:15:14951

Sorption
Convection Limited Sorption Kinetics in Packed Beds, David W. Hendricks, EE4:Aug 80:727:15605

Sorting Routines
Sediment-Morphology Relations of Alluvial Channels, Waite R. Osterkamp, IRKB:July 80:188

Sources
Monitoring Areawide Rural Water Quality, Larry F. Bliven, Frank J. Humenik, Fred A. Koehler and Michael R. Overcash, EE1:Feb 79:101:14343

South Africa
Automatic Water-Level Control in South Africa, Klaus Merensky and Dyason Hopkins, HY11:Nov 79:1415:14992
Building on Expansive Soils in South Africa: 1973-1980, Antony AB Williams and George W. Donaldson, SLS:June 80:834
Work-Trip Mode-Choice Models for South Africa, Peter R. Stopher and Chester G. Wilmot, TE6:Nov 79:595:14960

South Carolina
Beachfront Restoration Using Water Quality Programs, Owen W. Bludau, CZ80:Nov 80:2342

Spacecraft
Space Shuttle, CE:June 80:64
What Has the U.S. Gotten Out of the Space Program?, Eugene E. Dallaire, CE:July 79:71

Spacecraft Launching Sites
Coming This Year: Reusable Link with Space, CE: July 79:58

Space Exploration
Space Shuttle, CE:June 80:64

Space Frames
Elastic Instability of Unbraced Space Frames, Zia Razzaq and Moossa M. Naim, ST7:July 80:1389: 15535
Stability Analysis of Large Spatial Frame Structures, Jun Wai Lee, Alain H. Peyrot and Jerome G. Dees, Preprint No.80-606, Oct 80, 22pp.
Strength Interaction Surfaces for Tall Buildings, Bruno Zimmerli and Bruno Thurlimann, ST3:Mar 79:481:14426

Space Probes
Coming This Year: Reusable Link with Space, CE: July 79:58

Space Reconnaissance
Applicability of Space Acquired Data for Water Resources Management, Vincent V. Salomonson, V. Ralph Algazi and Donald R. Wiesnet, EFHYF:Mar 79:125
Session III—Meteorology and Hydrology, Roger A. Amisial, EFHYF:Mar 79:419

Space Shuttle Orbiter
Building Skyscrapers in Orbit, Michael J. Bartos, Jr., CE:July 79:66
Coming This Year: Reusable Link with Space, CE: July 79:58
Space: A Place to Work, Virginia Fairweather, CE: July 79:48
Space Shuttle, CE:June 80:64

Space Structures
Building Skyscrapers in Orbit, Michael J. Bartos, Jr., CE:July 79:66
Research Needs in Structural Engineering, CE:Dec 79:61
Skewed Bridges with Intermediate Transverse Bracings, M. Sherif Aggour and M. Shafik Aggour, ST8:Aug 79:1621:14782
Space: A Place to Work, Virginia Fairweather, CE: July 79:48
Space Truss Design in Inelastic Range, Lewis C. Schmidt, Peter R. Morgan and John A. Clarkson, TN: ST12:Dec 78:1915:14201

Spacing
Bedform Spacing and Flow Resistance, Timothy R.H. Davies, HY3:Mar 80:423:15258
Parametric Study on Containment Liner-Anchor System, Adam Al-Dabbagh and Ajaya K. Gupta, EY2:Aug 79:169:14737
RQD and Fracture Spacing, Richard E. Goodman and H. Rodney Smith, TN: GT2:Feb 80:191:15193

Spain
Don't Always Put Dam in Narrowest Part of Valley, Fernando Abecasis, CE:June 80:93

Spalling
Local Effects of Tornado-Generated Missiles, Anil K. Kar, ST5:May 78:809:13775

Spatial Distribution
Case Study—Stream Deposition and Changing Land Use, Gary R. Dyhouse and David T. Williams, IRKB:July 80:215
Hydrologic Networks: Information Transmission, William F. Caselton and Tahir Husain, WR2:July 80:503:15572
Hydrologic Parameter Distribution on a Mine Spoil, A. S. Rogowski, IRKB:July 80:764
A Simple Method to Characterize Watershed Soils, James W. Naney and Lajpat R. Ahuja, IRKB:July 80:731

Specifications
Allocation of Risks—D, George Ziegler, CRLS:Jan 79:II-69
Alternate to ACI Analysis Coefficients, Richard W. Furlong and Carlos Rezende, ST11:Nov 79:2203: 14979
Approaches to Program Correctness, Joseph O. Harrison, Jr., TC1:Nov 78:39:14146
Concrete Production on Nuclear Power Plant Projects, H. Randolph Thomas, Jr., Jack H. Willenbrock and James L. Burati, Jr., CO3:Sept 80: 327:15703
Concrete Slump in Nuclear Power Plant Construction, H. Randolph Thomas, Jr., CO4:Dec 80:567:15881
Construction QA/QC Systems: Comparative Analysis, Jack H. Willenbrock and Scott Shepard, CO3:Sept 80:371:15669
Construction Specifications — A One Book Deal, Joseph Goldbloom, Preprint No.80-048, Apr 80, 5pp.
Construction Specifications: A One-Book Deal, Joseph Goldbloom, TN: CO4:Dec 80:601:15870
Contractual Arrangements—D, Sammie D. Guy, CRLS:Jan 79:II-108
CSI Format for Engineering Specifications, Robert L. McManus, Preprint No.80-150, Apr 80, 19pp.
Design Specification Representation and Analysis, William Rasdorf and Steven J. Fenves, CP80:June 80:102
Evaluation of Contractor Comments on the Quality of Specifications, Maynard Charles Nugent, CO2: June 78:153:13801
Evaluation of Owner Comments on Specifications, Edward R. Fisk, CO4:Dec 80:469:15875
Evaluation of Specification of Questionnaire Returns, Edwin Jones, CO2:June 80:169:15492
Federal Roles and Responsibilities In a Modernized Land Data System, Bernard W. Hostrop, SU80: June 80:27
Influence of Specifications Format on Contract Administration, Edward R. Fisk, Preprint No.80-007, Apr 80, 13pp.
Lifeline Engineering Approach to Seismic Qualification, Thomas L. Anderson and Douglas J. Nyman, TC1:Apr 79:149:14531
Marine Fender Specifications, Robert A. Young, PO80:May 80:547
Minimizing Risks and Mitigating Losses—D, John A. McWhorter, CRLS:Jan 79:II-158
New Method for Fatigue Design of Bridges, Charles G. Schilling and Karl H. Klippstein, ST3:Mar 78: 425:13618
Proposed Construction Management Specification, Kenath A. Kettle, CO4:Dec 79:367:15027
Proposed Specifications for Steel Box Girder Bridges, Roman Wolchuk, ST12:Dec 80:2463:15942
Railroad Ballast Prescription: State-of-the-Art, Gerald Patrick Raymond, GT2:Feb 79:305:14397
Software for Analysis of Standards, Steven J. Fenves, CP80:June 80:82
Specifying Pipeline Construction, Milton J. Hecker, TE4:July 79:361:14699
Structural Computer Office Practice, S. B. Vora and Lin Y. Huang, CP80:June 80:604
Summary Report of Questionnaire on Specifications (Contractor Returns), Joseph Goldbloom, Chmn., CO3:Sept 78:353:14001
Summary Report of Questionnaire on Specifications (Owner and Owner Representative Returns), Joseph Goldbloom, Chmn., CO3:Sept 79:163:14799
Summary Session—C, John P. Jellico, CRLS:Jan 79: II-184
Using Design Specifications for Design, Neal M. Holtz and Steven J. Fenves, CP80:June 80:92

Specific Heat
Measurement of Soil Thermal Resistivity, James K. Mitchell and Tsung C. Kao, GT10:Oct 78:1307: 14080

Specific Yield
Establishing Ground Water Rights Using a Model, James W. Naney and Douglas C. Kent, IRKB:July 80:117

Spectra
Seismic Design Input for Secondary Systems, Mahendra P. Singh, ST2:Feb 80:505:15207
Seismic Response by SRSS for Nonproportional Damping, Mahendra P. Singh, EM6:Dec 80:1405: 15948

Spectral Classification
Remote Sensing Sensors for Environmental Studies, B. Sen Mathur, TE4:July 79:439:14707

Spectral Reflectance
Remotely Sensed Crop Temperatures and Reflectances as Inputs to Irrigation Scheduling, R. D. Jackson, S. B. Idso, R. J. Reginato and P. J. Pinter, Jr., IRKA:July 80:390

Speeches
Keynote Address, Spencer J. Buchanan, SLS:June 80: 661
Special Address—Conference Overview, Leonard Krazynski, SLS:June 80:671

Speed Changes
Energy Conservation through Arterial Improvements, Marchiz Petreanu and James J. Schuster, TE5:Sept 79:535:14847
Upsurge and Speed-Rise Charts Due to Pump Shutdown, Benjamin Donsky, Roxanne M. Byrne and Paul E. Bartlett, HY6:June 79:661:14637

Speed Control
The 55-mph Speed Limit: A Review, John G. Kunna, TE3:May 80:299:15404

Speed Reduction
Summary of Commissioner G. B. Craig's Remarks, G. B. Craig, HW80:Mar 80:215

Spheres
Further Tests on Ocean Wave Forces on Sphere, Robert A. Grace and Gabriel T.Y. Zee, TN: WW1: Feb 78:83:13513

Spherical Shells
Buckling of Spherical Viscoelastic Shells, A. M. Vinogradov and Peter G. Glockner, ST1:Jan 80:59: 15116

Spillway Capacity
Don't Always Put Dam in Narrowest Part of Valley, Fernando Abecasis, CE:June 80:93

Spillways
Compound Weir Discharge, Fred W. Blaisdell and Clayton L. Anderson, HY7:July 79:817:14688
Construction on Expansive Rock, K. L. Logani, SLS: June 80:496
Optimum Spillway Breadth for Gravity Dams, John M. Townson, HY3:Mar 80:409:15254
Prototype Spillway Performance Verification, Clayton L. Anderson and Fred W. Blaisdell, HY6:June 79: 707:14639
Reducing Hazards Associated with Spillways for Dams, Erwin Thomas Scherich, Preprint No.80-063, Apr 80, 19pp.
Use of "CORPS" for Hydraulic Design, Bobby J. Brown and John J. Ingram, HYCO:Aug 80:240
Value Engineering and Cement-Bentonite Cutoff Wall Save Dam Project for Arizona Indian Tribe, Eugene A. Miller and Gary S. Salzman, CE:Aug 80:51

Splicing
Threaded Rebars Spin Down Time, CE:Dec 79:76

Splitting
Prestressed Concrete Beams with Transverse Circular Holes, Sk. Abdus Salam and Jack Harrop, ST3:Mar 79:635:14465

Spoil
Best Ways to Dewater Dredged Material, T. Allan Haliburton, CE:Aug 79:57
Establishing Cool-Season Grasses on Mine Spoils, Earl F. Aldon, David G. Scholl and Charles P. Pase, IRKB:July 80:91
Granular Media Filtration of Dredging Effluents, Dimitrios K. Atmatzidis, Joseph A. FitzPatrick and Raymond J. Krizek, WW1:Feb 79:33:14342
Hydrologic Parameter Distribution on a Mine Spoil, A. S. Rogowski, IRKB:July 80:764
Methodology for Effluent Water Quality Prediction, Bert A. Eichenberger and Kenneth Y. Chen, EE1: Feb 80:197:15212
Phosphate Mine Dump Stability and Revegetation, Eugene E. Farmer and Bland Z. Richardson, IRKB: July 80:888
Proposed Improvements to East Matagorda Bay, Texas, Jack Moger, HYUS:June 80:398

Spoil Banks
Chemical Impacts of Dredging and Offshore Disposal in Coos Bay, Oregon, P. O. Nelson and Kenneth J. Williamson, Preprint No.80-132, Apr 80, 15pp.
Composite Water Movement in a Sloping Phosphate Mine Dump, Roland W. Jeppson and Eugene E. Farmer, IRKB:July 80:855
Dispersion Estimates for Hydraulic Dredge Spoil, Marvin R. Pyles and Warren L. Schroeder, EE3: June 79:571:14625
Establishing Cool-Season Grasses on Mine Spoils, Earl F. Aldon, David G. Scholl and Charles P. Pase, IRKB:July 80:91
European Dredging—A State of the Art, John F. Hoffman, CZ80:Nov 80:1621
Granular Media Filtration of Dredging Effluents, Dimitrios K. Atmatzidis, Joseph A. FitzPatrick and Raymond J. Krizek, WW1:Feb 79:33:14342
Methodology for Effluent Water Quality Prediction, Bert A. Eichenberger and Kenneth Y. Chen, EE1: Feb 80:197:15212
Offshore Artificial Islands — Energy Ports of the Future?, Eugene Chesson, PO80:May 80:61
Phosphate Mine Dump Hydrology, Eugene E. Farmer, IRKB:July 80:846
Phosphate Mine Dump Stability and Revegetation, Eugene E. Farmer and Bland Z. Richardson, IRKB: July 80:888
Proposed Improvements to East Matagorda Bay, Texas, Jack Moger, HYUS:June 80:398
Snow-Erosion Relationships on Mine Waste Dumps, Myron Molnau and Edward Chacho, IRKB:July 80: 877
Spoil Islands: Determining How Local Governments Can Manage Them, Mark L. Gumula and R. Grant Gilmore, CZ80:Nov 80:2236

Spraying
Spray Application of Wastewater Effluent in a Cold Climate: Performance Evaluation of a Full-Scale Plant, E. Allan Cassell, Donald W. Meals, J. R. Bouzoun, C. James Martel and Wallace A. Bronson, EE80:July 80:620

Spray Nozzles
Recent Designs of Inlet Systems for Irrigation Pipelines, Karl D. Larson, IRKA:July 80:291

Spring Damping
Frequency Analysis of Flat Cable Nets: A Simple Model, Barrington deV. Batchelor and Murari L. Gambhir, EM6:Dec 80:1249:15903

Springs (Elastic)
Analysis of Partially Uplifted Base Mats, Jgi-Jiang Shiau, EY1:Jan 79:9:14297
End Effects of Pressure-Resistant Concrete Shells, Wai F. Chen, Hiroyuki Suzuki and Tse-Yung P. Chang, ST4:Apr 80:751:15316

Springs (Mechanical)
Nonlinear Elastic Analysis of Panelized Shear Sandwich Walls, Paul P. Fazio and Santi Rizzo, ST6:June 79:1187:14649

Sprinkler Irrigation
Aerosols in the Treatment Plant Environment, C. Richard Walter and Guy D. Van Doren, EE80:July 80:488
Bayesian Analysis of Energy Prices on Irrigation, Richard J. McAniff, Marshall Flug and James Wade, WR2:July 80:401:15548

Comparison of Sprinkler Uniformity Models, Ronald L. Elliott, James D. Nelson, Jim C. Loftis and William E. Hart, IR4:Dec 80:321:15913
Conserving Energy with Low-Pressure Center Pivots, James R. Gilley and Lloyd B. Mielke, IR1:Mar 80: 49:15292
Explicit Sprinkler Irrigation Uniformity: Efficiency Model, Wynn R. Walker, IR2:June 79:129:14608
Optimization of Salinity Control in Grand Valley, Wynn R. Walker, Gaylord V. Skogerboe and Robert G. Evans, IR1:Mar 79:15:14455
Possible Energy Savings in Irrigation, James R. Gilley and Darrell G. Watts, IR4:Dec 77:445:13416
Reducing Salt Pickup from Irrigated Lands, Wynn R. Walker, Gaylord V. Skogerboe and Robert G. Evans, IR1:Mar 79:1:14454

Sprinklers
Conserving Energy with Low-Pressure Center Pivots, James R. Gilley and Lloyd B. Mielke, IR1:Mar 80: 49:15292

Stability
Buckling of Multibay Stiffened Plate Panels, Karim Elsharkawi and Alastair C. Walker, ST8:Aug 80: 1695:15594
Buckling of Space Stayed Columns, Ibrahim A. Hathout, Murray C. Temple and John S. Ellis, ST9: Sept 79:1805:14852
Buckling of Spherical Viscoelastic Shells, A. M. Vinogradov and Peter G. Glockner, ST1:Jan 80:59: 15116
Buckling of Stiffened Hyperboloidal Cooling Towers, Ihsan Mungan and Otto Lehmkamper, ST10:Oct 79:1999:14917
Buckling Stresses of Stiffened Hyperboloidal Shells, Ihsan Mungan, ST8:Aug 79:1589:14775
Case Histories of Harbor Developments in Weak Soils, William Enkeboll and Vernon A. Smoots, WW4:Nov 80:429:15832
The Concepts Defining the Rate of Swell of Expansive Soils, P. W. Mitchell, SLS:June 80:106
Convergence of Four-Point Implicit Water Wave Models, Victor Miguel Ponce, Horst Indlekofer and Daryl B. Simons, HY7:July 78:947:13890
Cross-Bracing Design, John T. DeWolf and Joseph F. Pelliccione, ST7:July 79:1379:14680
Effect of Openings on Lateral Buckling of Beams, Alexander Coull and Maria C. Alvarez, TN: ST12: Dec 80:2553:15874
Elastic Instability of Unbraced Space Frames, Zia Razzaq and Moossa M. Naim, ST7:July 80:1389: 15535
Embankments Through Cross River Swamp, Roger Foott, Dan Devecseri, C. N. Aneke, J. O. Jackson and Charles C. Ladd, GT3:Mar 80:219:15288
End Restraint and Column Stability, Wai F. Chen, ST11:Nov 80:2279:15796
Fabricated Tubular Steel Columns, David A. Ross, Wai F. Chen and Lambert Tall, ST1:Jan 80:265: 15122
Factors Influencing Frame Stability, Charles Birnstiel and Jerome S.B. Iffland, ST2:Feb 80:491:15196
Force Limiting Devices in Space Trusses, Lewis C. Schmidt and Ariel Hanaor, ST5:May 79:939:14589
Foundation Stability on Nonhomogeneous Clays, James D. Murff and Terrell W. Miller, GT10:Oct 77:1083:13302
General Imperfection Analysis in Shallow Arches, Cenap Oran, EM6:Dec 80:1175:15907
Generalized Stability Analysis of Channel Banks, Victor Miguel Ponce, IR4:Dec 78:343:14228
High Rise Building Column Design, Jerome S.B. Iffland, ST9:Sept 78:1469:14027
Improved Stability of Dronkers' Tidal Schemes, Guus S. Stelling, HY8:Aug 80:1365:15660
Integral Equation Method for linear Water Waves, James R. Salmon, Philip La-Fan Liu and James A. Liggett, HY12:Dec 80:1995:15932
Interfacial Stability in Channel Flow, Richard H. French, HY8:Aug 79:955:14768
Large Rubble-Mound Breakwater Failures, Eugene H. Harlow, TN: WW2:May 80:275:15385
Laterally Loaded Timber Columns, Hans J. Larsen and Esko Theilgaard, ST7:July 79:1347:14679
Local, Distortional, and Lateral Buckling of I-Beams, Gregory J. Hancock, ST11:Nov 78:1787:14155
Long Wave Model Independent of Stability Criteria, Gary C. Niemeyer, WW1:Feb 79:51:14345
Low Sediment Transport Rates Over Flat Beds, Peter A. Mantz, HY7:July 80:1173:15526
New Interaction Equation for Steel Beam-Columns, Francois Cheong-Siat-Moy, ST5:May 80:1047: 15422
Optimal Design for Stability under Multiple Loads, Hari K. Turner and Raymond H. Plaut, EM6:Dec 80:1365:15946
Post-Buckling Behavior under Mode Interaction, Antonio J. Reis and John Roorda, EM4:Aug 79: 609:14744
Post-Buckling Finite Element Analysis of Flat Plates, Kuen-Yaw Shye and James Colville, ST2:Feb 79: 297:14382
Prebuckling Rotations and Cylinder Buckling Analysis, Don O. Brush, EM2:Apr 80:225:15332
Pretensioning of Single-Crossarm Stayed Columns, H. H. Hafez, Murray C. Temple and John S. Ellis, ST2:Feb 79:359:14362
Reliability Analysis of Slopes: Frequency-Domain Method, Daniele Veneziano and Jaime Antoniano, GT2:Feb 79:165:14378
Research Needs in Stability of Metal Structures, Reidar Bjorhovde, ST12:Dec 80:2425:15926
Second-Order Elastic-Plastic Analysis of Steel Frames, Chu-Kia Wang and C. P. Talaboc, Preprint No.80-509, Oct 80, 14pp.
Space Truss Studies with Force Limiting Devices, Ariel Hanaor and Lewis C. Schmidt, ST11:Nov 80: 2313:15808
Stability Analysis and Design of Concrete Frames, James G. MacGregor and Sven E. Hage, ST10:Oct 77:1953:13280
Stability Analysis of Cable-Stayed Rigid Frames, Chu-Kia Wang and Jon K. Stiller, ST11:Nov 79: 2383:15002
Stability of Flexibly Connected Plate Systems, Milija Pavlovic, Donald S. Mansell and Leonard K. Stevens, ST10:Oct 80:2077:15766
Stability of Guyed Towers, Alexander Chajes and Wen-Sen Chen, ST1:Jan 79:163:14327
Unconditional Stability in Convection Computations, Victor Miguel Ponce, Yung Hai Chen and Daryl B. Simons, HY9:Sept 79:1079:14807
Vibrations of Annular Plates of Variable Thickness, Carl T. Dyka and John F. Carney, III, EM3:June 79:361:14638
Wave Propagation in Prestressed Curved Rods, Mehdi Farshad, EM2:Apr 80:395:15373

Stability Analysis
Sand Bed Instability Due to Bed Load Motion, Hiroji Nakagawa and Tetsuro Tsujimoto, HY12:Dec 80: 2029:15936
Stability Analysis of Large Spatial Frame Structures, Jun Wai Lee, Alain H. Peyrot and Jerome G. Dees, Preprint No.80-606, Oct 80, 22pp.

Stability Criteria
Stability of Lattice Structures Under Combined Loads, Siegfried M. Holzer, Raymond H. Plaut, Arnold E. Somers, Jr. and Willis S. White, III, EM2:Apr 80:289:15322

Stabilization
Combined Vegetative-Structural Slope Stabilization, Donald H. Gray, Andrew T. Leiser and Charles A. White, CE:Jan 80:82
Ground Control for Shallow Tunnels by Soil Grouting, David Y. Tan and G. Wayne Clough, GT9:Sept 80:1037:15716
Landfill Management with Moisture Control, James O. Leckie, John G. Pacey and Constantine Halvadakis, EE2:Apr 79:337:14533

Stable Channels
Hydraulic Geometry of Active Gravel Rivers, Gary Parker, HY9:Sept 79:1185:14841

Stack Gases
Demonstration d-RDF Burn GSA Pentagon Power Plant, H. M. Freeman, Jay Campbell and M. A. Golembiewski, EE80:July 80:598

Staggered Work Times
Co-ordinated Use of Facilities, Robert Schumacher, UT79A:July 79:109

Stagnation Point
Freestream Turbulence Effects on Galloping, Kenny C.S. Kwok and William H. Melbourne, EM2:Apr 80:273:15356

Stains
Strain and Displacement Discontinuities in Soil, Guy T. Houlsby and C. Peter Wroth, EM4:Aug 80:753:15637

Stairs
Restrained Warping in Free-Standing Staircases, Erling A. Smith, TN: ST3:Mar 80:734:15231

Stairways
Restrained Warping in Free-Standing Staircases, Erling A. Smith, TN: ST3:Mar 80:734:15231

Standard Deviation
Tables of Dimensionless Central Moments, Mircea Grigoriu, TN: EM6:Dec 80:1423:15871

Standardization
Economic Potential of Tunnel Standardization, Delon Hampton and Terence G. McCusker, CO3:Sept 80:247:15668

Standard Penetration Tests
Energy Dynamics of SPT, John H. Schmertmann and Alejandro Palacios, GT8:Aug 79:909:14769
Statics of SPT, John H. Schmertmann, GT5:May 79:655:14573
Velocity Measurement of Free-Fall SPT Hammer, William D. Kovacs, GT1:Jan 79:1:14313

Standards
Alternatives for Standards and Regulations, Brian R. Mrazik and Richard W. Krimm, EFHYF:Mar 79:375
Attitude, Guidelines, and Technology in Plan Formulation, William K. Johnson, EFHYF:Mar 79:342
Computer Aids for the Organization of Standards, James Robert Harris and Richard N. Wright, CP80:June 80:112
Design Effluent Quality, Ralph E. Roper, Jr., Roger O. Dickey, Stephen Marman, Steve W. Kim and Robert W. Yandt, EE2:Apr 79:309:14518
Earthquake Prediction: A Socioeconomic View, John H. Sorensen, EI3:July 80:257:15550
Effectiveness Evaluations—An Engineer's View, Harry E. Strate, HW80:Mar 80:71
Engineering Software Selection Criteria, Peter F. Zoll, CP80:June 80:67
Evaluation of Compliance Criteria for River Plumes, Pauly P. Paily, HYCO:Aug 80:142
Fledgling Standards-Writing Program: Progress Report, CE:Mar 79:80
Inelasticity of Reinforced Concrete and Structural Standards, M. Z. Cohn, ST11:Nov 79:2221:14985
Legal Standard for Coastal Development Permission, Jonathan M. Davidson, CZ80:Nov 80:1341
Map Content and Symbols: Chapter V of Proposed Manual on Map Uses, Scales, and Accuracies for Engineering and Associated Purposes, Robert P. Jacober, Jr., SU1:Nov 80:41:15851
Marketplace Solutions to Air Pollution, Ann E. Seltz-Petrash, CE:Jan 80:68
Non-Government Consensus Standards: Changes in the Wind?, Kneeland A. Godfrey, Jr., CE:Mar 79:75
The Regulation of Mine Waste Disposal, Bruce C. Vandre, IRKB:July 80:898
Reliability Based Criteria for Reinforced Concrete Design, Bruce R. Ellingwood, ST4:Apr 79:713:14480
Software for Analysis of Standards, Steven J. Fenves, CP80:June 80:82
A Standard for Symbology on Engineering Scale Maps, Robert P. Jacober, Jr., Preprint No.80-060, Apr 80, 8pp.
Standards for Irrigation Efficiencies of ICID, Marinus G. Bos, IR1:Mar 79:37:14457
Status of Design Loadings for Buildings Standards, Edwin G. Zacher, Preprint No.80-632, Oct 80, 9pp.
Striking the Balance in Energy Project Siting, Richard A. Du Bey, Cheryl R. Koshuta and Daniel I. Steinborn, CZ80:Nov 80:2135
Track Maintenance: Management and Planning, Alfred E. Fazio, TE6:Nov 80:705:15810

Standing Waves
Second-Order Standing Waves Bounded by Circular Cylinders, John N. Hunt and Rafik E. Baddour, TN: WW1:Feb 80:122:15166

State Action
Formulating Utah's Seismic Policy for Lifelines, Delbert B. Ward and Craig E. Taylor, C080:80:202
Formulating Utah's Seismic Policy for Lifelines, Delbert B. Ward and Craig E. Taylor, C080:80:202
Policies for Lifeline and Critical Facility Safety, Robert A. Olson, C080:80:180
The State and Local Politics of Seismic Hazard, James D. Wright, C080:193

State Aid
Existing Revenue Sources, Charles A. Krouse, UT79A:July 79:45
Future Prospects Re Travel Requirements and Financing, Robert A. Keith, UT79A:July 79:285
Improved Resource Allocation, State & Federal: How Federal Transit Aid Influences Local Decisions, Jay R. Cherlow, UT79A:July 79:200
Urban Transportation Financing Today, Thomas D. Larson and William C. Underwood, UT79A:July 79:5

State Government
Data Base Development at Maryland DOT, Dennis R. Atkins, CP80:June 80:363
Environmental Considerations in Highway Planning, John J. Meersman and Leonard Ortolano, TE4:July 80:15515
Formulating Utah's Seismic Policy for Lifelines, Delbert B. Ward and Craig E. Taylor, C080:80:202
Highway Safety Challenges of the 80's, Bennie Maffet, HW80:Mar 80:54
Highway Safety Program Overview, Thomas A. Hall, HW80:Mar 80:3
Productivity, Performance, and Planning, Jarir S. Dajani, UP1:May 78:47:13718
Seismic Hazards: A State Government Perspective, Priscilla C. Grew, C080:80:18

State Laws
Alaska Water Quality Standards and BMPs, John D. Stednick, IRKB:July 80:721
Barrier Beach Protection in Massachusetts, Stanley M. Humphries and Jeffrey R. Benoit, CZ80:Nov 80:1809
Broad Area Searches for Hazardous Waste Disposal, Allen W. Hatheway, Pickett T. Simpson and John L. Splendore, EE80:July 80:329
Coastal Program Evaluation From a State Perspective or Can an Amoeba Find True Happiness Under a Microsocope?, William Travis, CZ80:Nov 80:451
Coastal Zone Intergration of State and Local Plans, Lowdon Wingo and James Fawcett, CZ80:Nov 80:2052
The Coast in Washington State, Charles H. Odegaard, CZ80:Nov 80:1354
Cumulative Impact Assessment-California Coastal Law, William Milan Boyd, CZ80:Nov 80:1321
Dam Safety in Idaho, C. Stephen Allred and Norman C. Young, Preprint No.80-152, Apr 80, 9pp.

Design for Erosion Loss Studies on Disturbed Lands, W. Russell Hamon and James V. Bonta, IRKB:July 80:27
EPA Launches Program to Control Hazardous Wastes, Eugene E. Dallaire, CE:Dec 78:39
Evaluation and Inter-Governmental Relations in CZM, G. Kem Lowry, Jr. and Norman H. Okamura, CZ80:Nov 80:429
Federal Consistency—Is It Working? A Perspective From the Pacific Northwest, Donald E. Lawyer, CZ80:Nov 80:2123
Formulating Utah's Seismic Policy for Lifelines, Delbert B. Ward and Craig E. Taylor, C080:80:202
Guaranteeing Public Access in Publicity-Funded Shoreline Projects, Kenneth C. Caldwell, CZ80:Nov 80:1397
Hazardous Location Program, Edwin M. Smith, HW80:Mar 80:109
Highway Safety Challenges of the 80's, Bennie Maffet, HW80:Mar 80:54
Highway Safety Program Overview, Thomas A. Hall, HW80:Mar 80:3
Intergovernmental Corrdination in North Carolina, Hubert Glenn T. Dunn and Charles W. Hollis, CZ80:Nov 80:2027
A Local Endangered Species Program — Florida Manatee, *Trichechus manatus*, Diane D. Barile, CZ80:Nov 80:186
LOOP: Delivering Oil Where It's Needed, William B. Read, PO80:May 80:163
Management of Coastal Resources In Arctic Alaska, Gretchen Keiser and Wayne Pichon, CZ80:Nov 80:1481
Managing Barrier Islands: Role of Local Government, Kent S. Butler, Kathryn N. Nichols and Ray Quay, CZ80:Nov 80:2036
The Networking Approach to Coastal Zone Management, Earl H. Bradley, Jr., CZ80:Nov 80:1504
The New Jersey Coast: Going, Going, Gone?, Sheldon Abrams and D. W. Bennett, CZ80:Nov 80:1497
Pennsylvania's Proposed Emission I/M Program, Maurice R. Devin, CAAA:Nov 79:120
Preserving Public Access: The Bay Experience, Nancy Wakeman Twiss, CZ80:Nov 80:1418
Providing Public Waterfront Access in Maryland, Kathy H. Fitzpatrick, Trisha A. Bednarz and Earl H. Bradley, Jr., CZ80:Nov 80:1406
Quantifying Emission Impacts of High Occupancy Vehicles, Frank C. Yu, CAAA:Nov 79:294
The Rail-Highway Grade Crossing Program—A State's View, Robert E. Craven, HW80:Mar 80:124
The San Diego Regional Coastal Access Study, Dennis A. Prescott, CZ80:Nov 80:1662
Striking the Balance in Energy Project Siting, Richard A. Du Bey, Cheryl R. Koshuta and Daniel I. Steinborn, CZ80:Nov 80:2135
Technology Substitution for Air Quality Improvement, E. A. Deakin and H. W. Bruck, CAAA:Nov 79:357
Trinidad: A Solution for Coastal Land-Use Conflict, Steele Wotkyns, CZ80:Nov 80:1518
Watershed Management: The California Experience, Chuck Watson, IRKB:July 80:1048

State Planning
Seismic Hazards: A State Government Perspective, Priscilla C. Grew, C080:80:18

Static Cone Penetration Tests (Field
Statics of SPT, John H. Schmertmann, GT5:May 79:655:14573

Static Loads
Cyclic and Static Laboratory Tests on Drammen Clay, Knut H. Andersen, Jacobus H. Pool, Stephen F. Brown and Wim F. Rosenbrand, GT5:May 80:499:15434
Dynamic Stability of Statically Pre-Loaded Systems, G. J. Simitses and Lazopoulos, EM81:Jan 81:477
The Effects of Static Loads on Dynamic Response, Som P. Virk, CP80:June 80:132
Mathematical Modelling of Indeterminate Trusses, Vernon Charles Matzen and Joseph Earlton Hardee, EM81:Jan 81:687

Statics
Boundary Elements in Stress Analysis, Carlos A. Brebbia and Roberto Nakaguma, EM1:Feb 79:55:14338
Exact Analysis of Class of Ring Segments, James Ting-Shun Wang, EM4:Aug 78:871:13924

Static Stress Measurement
Wind Effects on Cooling-Tower Shells, Hans-Jurgen Niemann, ST3:Mar 80:643:15251

Static Structural Analysis
EISI-EAL: Engineering Analysis Language, W. D. Whetstone, CP80:June 80:276
Matrix Formulation of Curved Girders, Chai Hong Yoo, EM6:Dec 79:971:15078

Static Tests
Static and Dynamic Properties of Sand-Cement, Jean-Michel Dupas and Alain Pecker, GT3:Mar 79:419:14425

Stationary Processes
Stationary Response Of Structures With Closely Spaced Modes, Armen Der Kiureghian, EM81:Jan 81:492

Statistical Analysis
Access, Fares, Frequency: Effects on Airport Traffic, Richard deNeufville and Clifford R. King, TE2:Mar 79:109:14421
The Annual Water Balance, Peter S. Eagleson, HY8:Aug 79:921:14781
Approximate BOD Treatment Requirements for Urban Runoff, Udai P. Singh, Ronald L. Wycoff and Gregory L. Tate, EE1:Feb 79:3:14360
Aquifer Diffusivity from Noisy Boundary Data, Budhi Sagar and Sita Ram Singh, HY8:Aug 79:943:14765
Augmentation of Hydrologic Records Using Tree Rings, Charles W. Stockton and William R. Boggess, EFHYF:Mar 79:239
Calculating Overflows from Combined Sewer Systems, Kirke E. Larson, EE5:Oct 79:829:14883
Classification of Hazardous Wastes, Albert J. Klee and Michael U. Flanders, EE1:Feb 80:163:15205
Correction of Bidding Errors: The Belgian Solution, Frans Van Cauwelaert and Ernst Heynig, CO1:Mar 79:13:14411
Cost of Water Supply: Selected Case Studies, Robert M. Clark, John A. Machisko and Richard G. Stevie, EE1:Feb 79:89:14365
Creep Strain Accumulation Under Random Loading, Chavali V.S. Kameswara Rao, TN: EM6:Dec 78:1457:14198
A Data Base System for Real Time Hydrologic Modeling, Robert M. Ragan and Jack D. Fellows, AS80:Aug 80:33
Decision Making and the Cost of Ignorance, Jack R. Benjamin, EFHYF:Mar 79:76
Design Effluent Quality, Ralph E. Roper, Jr., Roger O. Dickey, Stephen Marman, Steve W. Kim and Robert W. Yandt, EE2:Apr 79:309:14518
Design of a Tanker Mooring System for Dynamic Loads, Shih-lih Steve Fang and Robert M. Schneider, PO80:May 80:747
An Evaluation of a Cloud Seeding Program in Utah, Don A. Griffith, IRKA:July 80:107
Fatigue under Wide Band Random Stresses, Paul H. Wirsching and Mark C. Light, ST7:July 80:1593:15574
Flood Flow Frequency by SCS-TR-20 Computer Program, Vaiyapuri Danushkodi, HY9:Sept 79:1123:14818
Flood Hydrograph and Peak Flow Frequency Analysis, Arlen D. Feldman, EFHYF:Mar 79:1
Forecasting Lake Levels—A Case Study, Sivajogi D. Kopp:la, HYUS:June 80:280
Geomorphic Evidence of Frequent and Extreme Floods, James C. Knox, EFHYF:Mar 79:220

Heat Treatment and Vacuum Filtration of Metal-Laden Municipal Sludge, Bert L. Michalczyk and Ronald F. Wukasch, EE80:July 80:25
Hydroclimatology—A Needed Cross-Discipline, Ronald F. Kilmartin, EFHYF:Mar 79:160
Industrial Waste Monitoring: A Statistical Approach, Gerald W. Foess and Wayne St. John, EE5:Oct 80: 947:15758
Inland Routing of Hurricane Surges in Wetlands, Armando I. Perez, Robert Laura, John D. Wang and Bernard LeMehaute, HYUS:June 80:347
Kinetic Model for Flocculation with Polymers, Peter M. Huck and Keith L. Murphy, EE4:Aug 78:767: 13950
Linear Model in Probabilistic Fatigue Design, Paul H. Wirsching and Steve Hsieh, EM6:Dec 80:1265: 15919
LRFD Criteria for Plate Girders, Peter B. Cooper, Theodore V. Galambos and Mayasandra K. Ravindra, ST9:Sept 78:1389:14012
Map Skew, Richard H. McCuen, WR2:Sept 79:269: 14840
Mathematical Modeling of Humic Substances Removal with Activated Carbon Beds, Michael C. Lee, John C. Crittenden, Vernon L. Snoeyink and William E. Thacker, EE80:July 80:387
Meteorological Impacts on Urban Sulfate Levels, William A. Turner and Constantine J. Gregory, EE2:Apr 80:311:15348
Monitoring Areawide Rural Water Quality, Larry F. Bliven, Frank J. Humenik, Fred A. Koehler and Michael R. Overcash, EE1:Feb 79:101:14343
Offshore Wind Power Potential, Paul J. Ossenbruggen, Gerard P. Pregent and L. David Meeker, EY1:Jan 79:81:14290
Optimizing Joint Development at Transit Stations, Ronald G. Arbogast, Snehamay Khasnabis and Kenneth S. Opiela, TE5:Sept 80:539:15709
Prediction of Septic-System Failures, Gary B. Saxton and Joseph M. Zeneski, EE3:June 79:503:14609
Pressures on Curtain Wall with External Mullions, Bernard M. Leadon and Michael L. Kownacki, EM4:Aug 79:515:14732
Probabilistic Evaluation of Liquefaction Potential, Achintya Haldar and Wilson H. Tang, GT2:Feb 79: 145:14374
Probabilistic Evaluation of OBE for Nuclear Plants, John T. Christian, Ralph W. Borjeson and Philip T. Tringale, GT7:July 78:907:13904
Probabilistic Soil Dynamics: State-of-the-Art, John T. Christian, GT4:Apr 80:385:15339
Probability Model for Design Live Loads, Philip L. Chalk and Ross B. Corotis, ST10:Oct 80:2017: 15753
Reliability of Current Reinforced Concrete Designs, Bruce R. Ellingwood, ST4:Apr 79:699:14479
Resilient Response of Two Frozen and Thawed Soils, Edwin J. Chamberlain, David M. Cole and Thaddeus C. Johnson, GT2:Feb 79:257:14398
Satelite Imagery and Shoreline Erosion Prediction, Charles W. Welby, AS80:Aug 80:78
Second Moment—Inference Analysis Approach for Probability Evaluation of Storm Surges, Stergios A. Dendrou, Robert S. Taylor and Basile A. Dendrou, HYUS:June 80:23
Session II—Economic Aspects of Hydrologic Forecasting, L. Douglas James, EFHYF:Mar 79:417
Shear Strength of Wood Beams: A Weibull Analysis, Jen Y. Liu, ST10:Oct 80:2035:15770
Short Statistical Analysis of Total Load Concentration, Jagdish P. Soni, TN: HY8:Aug 80: 1383:15590
Spurious Correlation in Dimensional Analysis, Khalid Mahmood and M. M. Siddiqui, EM1:Feb 80:93: 15198
Statistical Analysis of Concentration Records, Joe C. Willis and Gerald C. Bolton, HY1:Jan 79:1:14310
Statistical Analysis of Hydrologic Critical Droughts, Zekai Sen, HY1:Jan 80:99:15134
Statistical Analysis of Sediment Motions on Dunes, Che S. Hung and Hsieh Wen Shen, HY3:Mar 79: 213:14438
Statistical Descriptions of Strength of Concrete, Sher Ali Mirza, Michael Hatzinikolas and James G. MacGregor, ST6:June 79:1021:14628
A Statistical Prediction of Effective Ice Crushing Stresses on Wide Structures, P. R. Kry, Preprint No.80-084, Apr 80, 20pp.
Statistical Programs in Engineering Hydrology, Jose D. Salas and Ricardo A. Smith, CP80:June 80:315
Statistical Properties of Sediment Bed Profiles, Hsieh Wen Shen and Hin Fatt Cheong, HY11:Nov 77: 1303:13348
Statistical Reliability of Ambient Noise Surveys, Daniel A. Driscoll and William J. Webster, EE80: July 80:399
Statistics of Extreme of Live Load on Buildings, Yi-Kwei Wen, ST10:Oct 79:1893:14886
Statistics of Larger Waves in a Sea State, Kenneth G. Nolte and Feng H. Hsu, WW4:Nov 79:389:14963
Stochastic Model of Flow Through Stratified Soils, Elfatih M. Ali, Tien H. Wu and Nien Y. Chang, GT6:June 80:593:15487
Stochastic Model of Water Table under Drainage, Budhi Sagar and Christian Preller, IR3:Sept 80:189: 15673
Stormwater Treatment Systems, Mitchell J. Small and Dominic M. DiToro, EE3:June 79:557:14617
Strength Variation of Laterally Unsupported Beams, Yuhshi Fukumoto, Yoshito Itoh and Masahiro Kubo, ST1:Jan 80:165:15142
Surface Temperature Mapping by NOAA-5 Satellite, Siamak Khorram and H. Gregory Smith, ASDC:80: 286
Synthetic Storm Induced Water Level Statistics, Michael J. McCarthy and Edward J. Schmeltz, HYUS:June 80:83
Techniques For The Generation of Long Streamflow Sequences, K. M. Leytham and Delbert D. Franz, EFHYF:Mar 79:20
Temporal Stability of Modal Choice Models, Robert L. Smith, Jr., TE3:May 79:263:14565
Tornado Data Characterization and Windspeed Risk, Lawrence A. Twisdale, Jr., ST10:Oct 78:1611: 14096
Truck Allocation Model for Concrete Distribution, David G. Woods and Frank C. Harris, CO2:June 80:131:15490
Uncertainties in Seismic Risk Procedures, Neville C. Donovan and Ann E. Bornstein, GT7:July 78:869: 13896
Variability of Mechanical Properties of Reinforcing Bars, Sher Ali Mirza and James G. MacGregor, ST5:May 79:921:14590
Variations in Dimensions of Reinforced Concrete Members, Sher Ali Mirza and James G. MacGregor, ST4:Apr 79:751:14495
Water Resources Planning — Historical Development, Theodore M. Schad, WR1:Mar 79:9: 14410
Wind and Snow Load Factors for Use in LRFD, Mayasandra K. Ravindra, C. Allin Cornell and Theodore V. Galambos, ST9:Sept 78:1443:14006

Statistical Data

Variability of an Expansive Clay Deposit, D. G. Fredlund, J. Krahn and J. U. Hasan, SLS:June 80: 322

Statistical Decision Theory

Decision Making and the Cost of Ignorance, Jack R. Benjamin, EFHYF:Mar 79:76

Statistical Distributions

Comparison of Sprinkler Uniformity Models, Ronald L. Elliott, James D. Nelson, Jim C. Loftis and William E. Hart, IR4:Dec 80:321:15913
Significance of Particle Size Distribution Similarity in Prediction of Swell Properties, R. Rama Rao and P. Smart, SLS:June 80:96

Statistical Inference

Probabilistic Modelling as Decision Making, Mircea Grigoriu, Daniele Veneziano and C. Allin Cornell, EM4:Aug 79:585:14736

Weibull Distributions and Extreme Wind Speeds, Emil Simiu and James J. Filliben, ST12:Dec 80: 2365:15909

Statistical Models
A Fault-Rupture Propagation Model For Groung Motion Simulation, Yoshikazu Yamada and Shigeru Noda, EM81:Jan 81:235
Statistical Programs in Engineering Hydrology, Jose D. Salas and Ricardo A. Smith, CP80:June 80:315

Statistics
Bayesian Frequency Analysis, Wilson H. Tang, HY7: July 80:1203:15532
Comparison of Areal Snow Sampling Procedures, Walter J. Rawls, Thomas J. Jackson and J. F. Zuzel, IRKB:July 80:356
Discrete Dynamic Model of Watershed Sediment Yield, Tribeni C. Sharma and William T. Dickinson, HY5:May 79:555:14592
Prediction of Extreme Wave Heights and Wind Velocities, Liu Teh-fu and Ma Feng-shi, WW4:Nov 80:469:15862
Risk Analysis for Hydraulic Design, Yeou-Koung Tung and Larry W. Mays, HY5:May 80:893:15419
A Seismic Hazard Evaluation of California, Ronald T. Eguchi, C080:80, 66pp.
Statistical Programs in Engineering Hydrology, Jose D. Salas and Ricardo A. Smith, CP80:June 80:315

Steady Flow
Efficient Simulation of Nonlinear Steady Flow, Gary C. Niemeyer, HY3:Mar 79:185:14420

Steady State
Steady-State Response of Thick Rectangular Plates, K. T. Sundara Raja Iyengar and P. V. Raman, TN: EM4:Aug 80:842:15589

Steam Electric Power Generation
Automatic Steam Gathering Reduces Emissions at "The Geysers", CE:June 80:78
Performance of Power Plant Cooling Lakes in Poland, Mieczyslaw Gadkowski and Bruce A. Tichenor, EY1:Apr 80:1:15326

Steel
Column Base Plates with Axial Loads and Moments, John T. DeWolf and Edward F. Sarisley, ST11:Nov 80:2167:15823
Composite Beams under Cyclic Loading, Jagmohan L. Humar, ST10:Oct 79:1949:14897
New Method for Fatigue Design of Bridges, Charles G. Schilling and Karl H. Klippstein, ST3:Mar 78: 425:13618
Selection of Steel Wide Flange Beams in Biaxial Bending (Engineer's Notebook), James M. Gere and Helmut Krawinkler, CE:June 80:91
Strength of Composite Beams with Web Openings, David M. Todd and Peter B. Cooper, ST2:Feb 80: 431:15179

Steel Beams
Biaxial Bending of Beams With or Without Torsion, Zia Razzaq and Theodore V. Galambos, ST11:Nov 79:2145:14972
Biaxial Bending Tests with or without Torsion, Zia Razzaq and Theodore V. Galambos, ST11:Nov 79: 2163:14973
Elastic Deformation of Beams with Web Opening, Brian K. Dougherty, ST1:Jan 80:301:15136
Multiple Configuration Curved Bridge Model Studies, Paul J. Brennan and James A. Mandel, ST5:May 79:875:14585
Stub Girders Cut Steel Use, CE:Oct 79:70

Steel Construction
Bridge Modal Indentification Problems, Gerard C. Pardoen, Athol J. Carr and Peter J. Moss, EM81: Jan 81:29

Steel Frames
Behavior of Type 2 Steel Frames, Michael H. Ackroyd and Kurt H. Gerstle, Preprint No.80-179, Apr 80, 30pp.
Damping of Frames with Constrained Viscoelastic Layers, Dario A. Gasparini, Amitabha Deb Chaudhury and Lawrence W. Curry, ST1:Jan 80: 115:15113
Effects of Non-Linear Connections in Steel Frames, Piotr D. Moncarz and Kurt H. Gerstle, Preprint No.80-179, Apr 80, 21pp.
Inelastic Cyclic Behavior of Tubular Braced Frames, Egor P. Popov, Stephen A. Mahin and Victor A. Zayas, ST12:Dec 80:2375:15918
Interactive Graphics Dynamic Analysis Of Frames, M. Gattass, J. G. Orbison, C. I. Pesquera, M. A. Schulman, W. McGuire and John F. Abel, EM81: Jan 81:502
Nonlinear Analysis of Steel Frames, Richard B. Klein and Fred W. Beaufait, CP80:June 80:172
Second-Order Elastic-Plastic Analysis of Steel Frames, Chu-Kia Wang and C. P. Talaboc, Preprint No.80-509, Oct 80, 14pp.
Seismic Analysis of Some Steel Building Frames, Egor P. Popov and Vitelmo V. Bertero, EM1:Feb 80:75:15194
Seismic Response of Eccentrically Braced Frames, Ashok K. Jain and Subhash C. Goel, ST4:Apr 80: 843:15338

Steel Making
Republic Steel Recycling Over 85% of Wastewater from Steel Mill, CE:June 80:102

Steel Piles
Bearing Capacity of Steel Core Piles, Hakan Bredenberg and Bengt B. Broms, GTDF:80:48
The Behavior of Steel Rocket Shaped Pile, Peter Y. Lee and Lawrence W. Gilbert, GTDF:80:253
Capacities of Steel H Piles Supported in Shale, Larry G. O'Dell and Alan N. Stilley, GTDF:80:288
Geotechnical Structures, CE:Jan 80:100
Predicition and Verification of Friction Pile Behavior, Michael W. Montgomery, GTDF:80:274
Rational Approach to Pile Foundations, Michael M. Blendy, GTDF:80:38

Steel Pipe Piles
Case History: Concrete-Filled Steel Pipe Piles, David E. Thompson and John W. Critchfield, GTDF:80:444

Steel Pipes
Observations on Mortar Lining of Steel Pipelines, Samuel Aroni and G. Louis Fletcher, TE6:Nov 79: 667:14966

Steel Plants
High Capacity Pile Foundations for China Steel Corporation Integrated Steel Mill, W. C. Wan, Paul Engeling and Edith A. Hacker, GTDF:80:495

Steels
Analysis of Fabricated Tubular Columns, Shouji Toma and Wai F. Chen, ST11:Nov 79:2343:14994
Beam-To-Column Moment Connecttions, Paul Grundy, Ian R. Thomas and Ian D. Bennetts, ST1: Jan 80:313:15108
Behavioral Study of Circular Tubular Beam-Columns, Donald R. Sherman, Hacik Erzurumlu and Wendelin H. Mueller, ST6:June 79:1055:14627
End Restraint and Column Stability, Wai F. Chen, ST11:Nov 80:2279:15796
Fatigue of Steel Beams by Simulated Bridge Traffic, Charles G. Schilling and Karl H. Klippstein, ST8: Aug 77:1561:13123
Folded Plate Structures, Jerome S.B. Iffland, ST1:Jan 79:111:14300
LRFD Criteria for Plate Girders, Peter B. Cooper, Theodore V. Galambos and Mayasandra K. Ravindra, ST9:Sept 78:1389:14012
LRFD Criteria for Steel Beam-Columns, Reidar Bjorhovde, Theodore V. Galambos and Mayasandra K. Ravindra, ST9:Sept 78:1371:14016

Model for Mild Steel in Inelastic Frame Analysis, T. K. Santhanam, ST1:Jan 79:199:14333
Moment Connections Weakened by Laminations, Bruce D. Macdonald, ST8:Aug 79:1605:14776
Nonlinear Analysis of Cold-Formed Steel Shear Diaphragms, Erdal Atrek and Arthur H. Nilson, ST3:Mar 80:693:15257
Partially Steel-Fiber Reinforced Mortar, Mohsen Mahmoudzadeh Rahimi and Clyde E. Kesler, ST1: Jan 79:101:14282
Shaking Table Earthquake Response of Steel Frame, David T. Tang and Ray W. Clough, ST1:Jan 79: 221:14324
Simplified Design of Corrugated Shear Diaphragms, Kinh H. Ha, Noor El-Hakim and Paul P. Fazio, ST7:July 79:1365:14681
Strength of Connection with Buried Discontinuity, Roger L. Brockenbrough, Ronald W. Frost and Geerhard Haaijer, ST11:Nov 80:2185:15800
$20 Million for Billet Grinding Eliminates Waste, CE:June 79:64

Steel Structures
Collapse Temperature of Steel Structures, Joel Kruppa, ST9:Sept 79:1769:14836
Damping Measurements Of Tall Structures, George T. Taoka, EM81:Jan 81:308
Eccentrically Braced Steel Frames for Earthquakes, Charles W. Roeder and Egor P. Popov, ST3:Mar 78:391:13619
Fabricated Tubular Steel Columns, David A. Ross, Wai F. Chen and Lambert Tall, ST1:Jan 80:265: 15122
Load and Resistance Factor Design for Steel, Mayasandra K. Ravindra and Theodore V. Galambos, ST9:Sept 78:1337:14008
Response of Steel Buildings, Boris Bresler and Robert Iding, Preprint No.80-595, Oct 80, 13pp.
Seismic Design of Low-Rise Steel Buildings, C. James Montgomery and William J. Hall, ST10:Oct 79:1917:14919
Seismic-Resistant Design Of Industrail Storage Racks, C. K. Chen, Roger E. Scholl and John A. Blume, EM81:Jan 81:745
Steel Plate Shear Walls Resist Lateral Load, Cut Costs, Richard G. Troy and Ralph M. Richard, CE: Feb 79:53
Wind Loading And Response Of A High-Rise Building, Russell S. Mills and David Williams, EM81:Jan 81:323

Stereoscopic Map Plotters
Transmission Line Surveys by Analytical Stereoplotter, Kirk E. Williams and Wallace C. Wilson, Preprint No.80-108, Apr 80, 16pp.

Stiffeners
Buckling of Multibay Stiffened Plate Panels, Karim Elsharkawi and Alastair C. Walker, ST8:Aug 80: 1695:15594
Buckling of Stiffened Hyperboloidal Cooling Towers, Ihsan Mungan and Otto Lehmkamper, ST10:Oct 79:1999:14917
Stress Analysis of Bonded Plates and Joints, Umur Yuceoglu and Dean P. Updike, EM1:Feb 80:37: 15189
Torsional Stiffening of I-Girder Webs, Conrad P. Heins and Robert A. Potocko, ST8:Aug 79:1689: 14788

Stiffening
Infilled Walls for Earthquake Strengthening, Lawrence F. Kahn and Robert D. Hanson, ST2:Feb 79:283:14364
Local Buckling of Cold-Formed Steel Members, Venkatakrishnan Kalyanaraman, ST5:May 79:813: 14578

Stiffness
Approximate Stiffness Analysis of High-Rise Buildings, Ali A.K. Haris, ST4:Apr 78:681:13700
Assemblage Method for Folded-Plate Analysis, Fouad H. Victor and Fernand Ellyin, ST7:July 79: 1509:14689
Buckling of Antisymmetrically Laminate Cross-Ply and Angle-Ply Rectangular Plates, Sudhakar Sharma, N. G.R. Iyengar and P. N. Murthy, EM1: Feb 80:161:15208
Dynamic Stiffness and Damping of Pile Groups in Inhomogeneous Soil, Toyoaki Nogami, GTA80:Oct 80:31
Dynamic Stiffness of Group of Battered Piles, John P. Wolf, TN: GT2:Feb 80:198:15193
Effect of Openings on Lateral Buckling of Beams, Alexander Coull and Maria C. Alvarez, TN: ST12: Dec 80:2553:15874
The Effects of Static Loads on Dynamic Response, Som P. Virk, CP80:June 80:132
Errors in Utilization of Cold-Formed Steel Members, Frank J. Zamecnik, ST12:Dec 80:2493:15941
Fatigue-Limit Effect on Variable-Amplitude Fatigue of Stiffeners, Pedro Albrecht and Ian M. Friedland, ST12:Dec 79:2657:15095
Frequency Analysis of Flat Cable Nets: A Simple Model, Barrington deV. Batchelor and Murari L. Gambhir, EM6:Dec 80:1249:15903
Glass Curtain Wall Elements:Properties and Behavior, Barry J. Goodno, ST6:June 79:1121: 14656
Impedance Functions of Piles in Layered Media, Milos Novak and Fakhry Aboul-Ella, EM3:June 78: 643:13847
Inelastic Section Response by Tangent Stiffness, Clifford O. Hays, Jr. and T. K. Santhanam, ST7: July 79:1241:14668
Lay Effect of Wire Rope, George A. Costello and Robert A. Miller, EM4:Aug 79:597:14753
Macaulay's Method: A Generalization, TN: EM3: June 79:459:14603
New Interaction Equation for Steel Beam-Columns, Francois Cheong-Siat-Moy, ST5:May 80:1047: 15422
Octahedral Based Incremental Stress-Strain Matrices, David W. Murray, EM4:Aug 79:501:14734
Parameter Estimation From Full-Scale Cyclic Testing, Jean-Guy Beliveau and Michael Favillier, EM81:Jan 81:775
Partial Composite Action in Diaphragms, Rafik Y. Itani and Girish S. Hiremath, EM4:Aug 80:739: 15624
Progressive Damage of Dynamically Loaded Brittle Rod, D. Krajcinovic, M. G. Srinivasan, G. U. Fonseka and R. A. Valentin, Preprint No.80-522, Oct 80, 13pp.
Savings in Multiple Analysis by Using Finite Elements, Som P. Virk, CP80:June 80:186
Shear Stiffness of Concrete by Finite Elements, Michael N. Fardis and Oral Buyukozturk, ST6:June 80:1311:15463
Simplified Analysis for Tunnel Supports, Herbert H. Einstein and Charles W. Schwartz, GT4:Apr 79: 499:14541
Simplified Design of Corrugated Shear Diaphragms, Kinh H. Ha, Noor El-Hakim and Paul P. Fazio, ST7:July 79:1365:14681
Stability of Flexibly Connected Plate Systems, Milija Pavlovic, Donald S. Mansell and Leonard K. Stevens, ST10:Oct 80:2077:15766
Stiffness and Damping Coefficients of Foundations, Jose M. Roesset, GTA80:Oct 80:1
Stiffness Matrix for Eccentric Beam Segment, Lawrence L. Durocher and James Kane, TN: ST2: Feb 79:447:14351
Stochastic Simulation of Wood Load-Sharing Systems, A. Louis DeBonis, ST2:Feb 80:393:15186
Torsion of Solid and Hollow Rectangular Beams, David J. Just and William J. Walley, ST9:Sept 79: 1789:14845
Trilateration Adjustment by Finite Elements, Naguib F. Danial and Theodor Krauthammer, SU1:Nov 80: 73:15812

Stiffness Matrix
Analysis of Partially Uplifted Base Mats, Jgi-Jiang Shiau, EY1:Jan 79:9:14297
Approximate Stiffness Analysis of High-Rise Buildings, Ali A.K. Haris, ST4:Apr 78:681:13700

Interactive Graphics and the Uniform Bean in Engineering Education, David F. Rogers, David Chalmers and J. D. Richardson, CP80:June 80:436
Nonlinear Material Models for Fabric, Rene B. Testa and Norris Stubbs, CP80:June 80:195
Slip-Dilatancy Model for Cracked Reinforced Concrete, Zdenek P. Bazant and Tatsuya Tsubaki, ST9:Sept 80:1947:15704
Stiffness Matrix for Eccentric Beam Segment, Lawrence L. Durocher and James Kane, TN: ST2: Feb 79:447:14351

Stiffness Methods
Corrugated Shear Diaphragms, Kinh H. Ha, ST3:Mar 79:577:14449

Stiffness Tests
Mathematical Modelling of Indeterminate Trusses, Vernon Charles Matzen and Joseph Earlton Hardee, EM81:Jan 81:687
A Study of the use of Ambient Vibration Measurements to Detect Changes in the Structural Characteristics of a Building, Peter R. Sparks, Alan P. Jeary and V. C. M. de Souza, EM81:Jan 81:189

Stilling Basins
Air Retained in Pool by Plunging Water Jet, Eamon J. McKeogh and Elsayed M. Elsawy, HY10:Oct 80: 1577:15742
Cavitation Induced by Turbulence in Stilling Basin, Rangaswami Narayanan, TN: HY4:Apr 80:616: 15305
Radial Hydraulic Jump, Abdelkawi M. Khalifa and John A. McCorquodale, HY9:Sept 79:1065:14825
Submerged Radial Hydraulic Jump, John A. McCorquodale and Abdelkawi M. Khalifa, HY3: Mar 80:355:15250
Use of "CORPS" for Hydraulic Design, Bobby J. Brown and John J. Ingram, HYCO:Aug 80:240

Stirrups
Dowel Action in Concrete Beams Subject to Torsion, Mahmoud A. Reda Youssef and Alfred G. Bishara, ST6:June 80:1263:15455
Prestressed Concrete Beams with Transverse Circular Holes, Sk. Abdus Salam and Jack Harrop, ST3:Mar 79:635:14465

Stochastic Models
A Fault-Rupture Propagation Model For Groung Motion Simulation, Yoshikazu Yamada and Shigeru Noda, EM81:Jan 81:235
Hydrologic Uncertainty and Project Benefits, Billy E. Martin and R. W. Julian, EFHYF:Mar 79:84
Sand Bed Instability Due to Bed Load Motion, Hiroji Nakagawa and Tetsuro Tsujimoto, HY12:Dec 80: 2029:15936
Stochastic Model of Flow Through Stratified Soils, Elfatih M. Ali, Tien H. Wu and Nien Y. Chang, GT6:June 80:593:15487
A Stochastic Model of the Lower Snake River, Richard S. Watt, Preprint No.80-013, Apr 80, 24pp.
Time-Dependent Stochastic Model of Floods, Michel North, HY5:May 80:649:15405
Time Series Modeling of Chicago Particulates, William D. O'Neill, EE5:Oct 79:855:14887
Uncertainties in Hydrologic Time Series Analysis, Jose D. Salas and Ricardo A. Smith, Preprint No.80-158, Apr 80, 22pp.
Water Quality Evaluation of Regional Wastewater Management, Barry J. Adams and Robert S. Gemmell, EE2:Apr 80:437:15362
Water Quality Sampling Programs in Rivers, Graeme C. Dandy and Stephen F. Moore, EE4:Aug 79:695: 14757
Wave Run-up Influence on Overtopping of Levees, Date H. Keuning and Jan B.M. van Acker, HY5: May 79:589:14588

Stochastic Processes
Continuous Dynamic Models for Traffic Indices, Neil W. Polhemus, TE6:Nov 79:639:14965
Digital Simulation of Nonlinear Random Waves, Robert T. Hudspeth and Min-Chu Chen, WW1:Feb 79:67:14376
Disaggregation of Streamflow Volumes, Kiyoshi Hoshi and Stephen J. Burges, HY1:Jan 79:27:14331
Efficient FFT Simulation of Digital Time Sequences, Robert T. Hudspeth and Leon E. Borgman, EM2: Apr 79:223:14517
Reliability Analysis Under Stochastic Loads, Armen Der Kiureghian, ST2:Feb 80:411:15190
Stochastic Generation of Annual Streamflows, R. Srikanthan and Thomas A. McMahon, HY12:Dec 80:2011:15935
Stochastic Model of Water Table under Drainage, Budhi Sagar and Christian Preller, IR3:Sept 80:189: 15673
Time Series Models for Freeway Incident Detection, Samir A. Ahmed and Allen R. Cook, TE6:Nov 80: 731:15805
Upcrossing Rate Solution for Load Combinations, Richard D. Larrabee and C. Allin Cornell, ST1:Jan 79:125:14329
Water Quality as a Stochastic Process, Thomas G. Sanders, Preprint No.80-089, Apr 80, 14pp.

Stockpiling
The Physical Impacts of Sand Removal From Rivers, Jimmy F. Harp and Joakim G. Laguros, IRKA:July 80:180

Storage
Least-Cost Design of Urban-Drainage Networks, Syver Froise and Stephen J. Burges, WR1:Nov 78: 75:14159
New Routing Model for Continuous Runoff Simulation, M. S.K. Chowdhury and F. C. Bell, HY4:Apr 80:489:15357

Storage Batteries
Impact of Potential Electric Vehicle Market Penetrations on Air Quality, Martin J. Bernard, III, CAAA:Nov 79:329

Storage Coefficient
Storage Coefficients from Ground-Water Maps, Brij M. Sahni and Harbhajan S. Seth, IR2:June 79:205: 14658

Storage Racks
Seismic-Resistant Design Of Industrail Storage Racks, C. K. Chen, Roger E. Scholl and John A. Blume, EM81:Jan 81:745

Storage Tank Foundations
Dynamic Interaction On Liquid Storage Tanks And Foundation Soil, Medhat A. Haroun and George W. Housner, EM81:Jan 81:346

Storage Tanks
Dynamic Behavior of Floating Storage Vessel, Robert A. Naftzger and Subrata K. Chakrabarti, WW2:May 80:157:15401
Dynamic Interaction On Liquid Storage Tanks And Foundation Soil, Medhat A. Haroun and George W. Housner, EM81:Jan 81:346
Gas and Liquid Fuel Pilpeline Seismic Design, William J. Hall and Robert P. Kennedy, C080:80: 150
Seismic Design of Liquid Storage Tanks, George W. Housner and Medhat A. Haroun, Preprint No.80-085, Apr 80, 21pp.
Stormwater Detention in Developing Watersheds, Christopher B. Amandes and Philip B. Bedient, EE2:Apr 80:403:15335

Storm Drains
Modeling of Storm Drainage in a Coastal City, Jerome M. Normann, HYUS:June 80:108
New Approach to Storm Drainage Pipe Design, Gary Lockwood, CE:Mar 80:59
Wave Overtopping and Urban Stormwater Drainage In Hull, Massachusetts, Jonathan A. French, HYUS:June 80:336

Storm Runoff
Curve-Number Procedure as Infiltration Method, Allen T. Hjelmfelt, Jr., TN: HY6:June 80:1107: 15449
Effects of Logging Roads on Storm Hydrographs, Everett P. Springer and George B. Coltharp, IRKB: July 80:228
Estimating Design Flows for Urban Drainage, Samuel O. Russell, Bruce F.I. Kenning and Greg J. Sunnell, HY1:Jan 79:43:14317
Groundwater Response during Runoff Events, Michael G. Sklash and Robert N. Farvolden, IRKB: July 80:743
Infiltration and Curve Numbers: Some Pragmatic and Theoretic Relationships, Richard H. Hawkins, IRKB:July 80:925
Modeling Storm Overflow Impacts on Eutrophic Lake, Paul L. Freedman, Raymond P. Canale and James F. Pendergast, EE2:Apr 80:335:15355
New Approach to Storm Drainage Pipe Design, Gary Lockwood, CE:Mar 80:59
Origin and Evolution of the SCS Runoff Equation, Robert E. Rallison, IRKB:July 80:912
Parametric-Deterministic Urban Watershed Model, William M. Alley, David R. Dawdy and John C. Schaake, Jr., HY5:May 80:679:15392
Runoff Curve Numbers form Partial Area Watersheds, Richard H. Hawkins, IR4:Dec 79:375: 15024
Sediment Characteristics of the Tongue River Basin, Thomas J. Osborne and Charles B. Andrews, IRKB: July 80:114
A Simple Lumped-Parameter Runoff-Quality Model, William M. Alley, HYUS:June 80:236
Turbidity and Suspended Sediment Relationships, Robert L. Beschta, IRKB:July 80:271

Storms
Applications of Advanced Airborne Reconnaissance Instrumentation Systems (Abstract), Robert C. Sheets, MGC:July 80:364
Barrier Island Management, Stephen P. Leatherman, CZ80:Nov 80:1470
Building Response To Extreme Wind And Tornadoes, James R. McDonald and Kishor C. Mehta, EM81:Jan 81:547
Coastal Plains Unit Hydrograph Studies, Donald E. Woodward, Paul I. Welle and Helen Fox Moody, HYUS:June 80:99
Dune Erosion and Recovery on a Northern Barrier, John W. Armon, CZ80:Nov 80:1233
Effects of Logging Roads on Storm Hydrographs, Everett P. Springer and George B. Coltharp, IRKB: July 80:228
Extreme Wind Speeds at 129 Airport Stations, Emil Simiu, Michael Changery and James J. Filliben, ST4:Apr 80:809:15334
Flood Frequency Modeling and Outliers, Krishan P. Singh, HYCO:Aug 80:74
Influence of Storm Type and Urbanization on Tidal Flooding, Armando Balloffet and Michael L. Scheffler, CZ80:Nov 80:2256
Interstorm Relations in Pacific Northwest, Ralph H. Frederick, HY12:Dec 78:1577:14255
Microdroplets and Transport of Moisture from Ocean, Sung C. Ling, Timothy W. Kao and Alice I. Saad, EM6:Dec 80:1327:15923
Northeaster Model and Application to Coastal Flooding, Yun Jui Tsai, D. M. Crocker, T. J. Burda and Fang-Kuo Chou, HYUS:June 80:255
Ocean Wave Statistics for 1961 North Atlantic Storm, Subrata K. Chakrabarti and Ralph P. Cooley, WW4:Nov 77:433:13320
A Simple Lumped-Parameter Runoff-Quality Model, William M. Alley, HYUS:June 80:236
Stormwater Quality—First Efforts in Denver, Ben Urbonas and L. Scott Tucker, TC1:Aug 80:53: 15621
Stormwater Runoff Modeling of a Planned Community, Kevin J. Smolenyak, HYUS:June 80: 378
The STS Method for Flood Frequency Estimation, Mark Wildermuth, HYUS:June 80:66
Synthetic Storm Induced Water Level Statistics, Michael J. McCarthy and Edward J. Schmeltz, HYUS:June 80:83
Urban Runoff Pollution and Water Quality Planning, William Whipple, Jr., TC1:Aug 80:101:15632
X-Ray Analysis and Suspended Sediment Source Area, Carlton S. Yee and Annette Parsons, IRKB: July 80:442

Storm Sewers
Channel Flow Computations Using Characteristics, Kathirithamby Sivaloganathan, HY7:July 79:899: 14717
Design Hyetographs for Small Drainage Structures, Ben Chie Yen and Ven Te Chow, HY6:June 80: 1055:15452
Economic Assessment of Storm Drainage Planning, Walter J. Rawls and Richard H. McCuen, WR1: Nov 78:45:14162
Least-Cost Design of Urban-Drainage Networks, Syver Froise and Stephen J. Burges, WR1:Nov 78: 75:14159
Unsteady Flow Computation for Full Storm Sewer, Larry F. Land and Harvey E. Jobson, TN: HY8: Aug 80:1389:15590

Storm Surges
Analysis of Combined Rainfall-Hurricane Surge Frequencies, M. Aziz Tayfun and Jerry L. Machemehl, HYUS:June 80:15
Coastal Flooding in Metropolitan New York: A Case Study, Robert S. Taylor, Sue Ann Hanson and Stergios A. Dendrou, HYUS:June 80:316
Coastal Flooding of Tidal Estuaries, Shing S.T. Schluchter and M. Teubner, HYUS:June 80:275
Coastal Storm Tide Frequency, Virginia to Delaware, Vance A. Myers and Francis P. Ho, HYUS:June 80:74
Dependency of Astronomic Tide and Hurricane Surge, Richard A. Schmalz, Jr., HYUS:June 80:7
Design of a Test to Study Salinity Response in a Major Estuarine System to Major Storm Inflow, David Fenwick Bastian, HYUS:June 80:134
Dune Erosion and Recovery on a Northern Barrier, John W. Armon, CZ80:Nov 80:1233
Finite Element Analysis of Wave Transmission in A Coastal Channel with a Bell-Mouth Entrance, T. C. Gopalakrishnan and Jerry L. Machemehl, HYUS: June 80:125
Finite Element Model for Hurricane Surge and Coastal Flooding, Jing Song Wei, Hsuan S. Chen and Jerry L. Machemehl, HYUS:June 80:205
Friction Factors in Storm Surges over Inland Areas, Raymond Walton and Bent A. Christensen, WW2: May 80:261:15439
Great Lakes Storm Surge Flood Forecasting Methods, Keith W. Bedford, Mark D. Prater and Steven Dingman, HYUS:June 80:289
Joint Occurrences in Coastal Flooding, M. Aziz Tayfun, WW2:May 79:107:14560
Mathematical Model for Evaluating Extra-Ordinary Tide in Coastal Zone During Typhoon, Frederick L.W. Tang, Chuen Sheng Yang and Shing S.T. Schluchter, HYUS:June 80:215
Moving Boundary Numerical Surge Model, Gour-Tsyh Yeh and Fang-Kuo Chou, WW3:Aug 79:247: 14758
Northeaster Model and Application to Coastal Flooding, Yun Jui Tsai, D. M. Crocker, T. J. Burda and Fang-Kuo Chou, HYUS:June 80:255
A Numerical Surge Model with Moving-Boundary Treatment, Michael H. Chen, David J. Divoky and Li San Hwang, HYUS:June 80:195
Second Moment—Inference Analysis Approach for Probability Evaluation of Storm Surges, Stergios A. Dendrou, Robert S. Taylor and Basile A. Dendrou, HYUS:June 80:23
Session I—Analytic Techniques in Hydrology—State-of-the-Art, John J. Cassidy, EFHYF:Mar 79:414
Spectral Wave Set-up and Run-up, F. H.Y. Wu, J. Ian Collins and David J. Divoky, HYUS:June 80: 327

Stormwater Management In Coastal North Carolina, Neil S. Grigg, Alfred M. Duda and John Morris, HYUS:June 80:33
Synthetic Storm Induced Water Level Statistics, Michael J. McCarthy and Edward J. Schmeltz, HYUS:June 80:83
Tropical Storm Surge Forecasting in the National Weather Service, Chester P. Jelesnianski, EFHYF: Mar 79:65
Wave Tank Use In Small Boat Harbor Design, Newport News, Virginia, Christopher S. Welch, Evon Paul Ruzecki, Robert James Lukens and Ching Seng Fang, PO80:May 80:614

Storm Water
Beachfront Restoration Using Water Quality Programs, Owen W. Bludau, CZ80:Nov 80:2342
Calculating Overflows from Combined Sewer Systems, Kirke E. Larson, EE5:Oct 79:829:14883
Calibration and Application of a Watershed Planning Model, Robert D. Looper, HYUS:June 80:152
Changing Needs in Urban Flood Forecasting, L. Scott Tucker, EFHYF:Mar 79:295
Coagulation and Detention of Stormwater Runoff, J. S. Godlewski, P. Moore and B. A. Snyder, Preprint No.80-666, Oct 80, 12pp.
Combined Sewer Overflow Controls for Boston Harbor, John R. Elwood, William F. Callahan and John A. Mueller, EE80:July 80:464
Control of Stormwater Runoff in a Rural Area, Pamela B. Katz, John A. Ripp and Deborah K. Martin, EE80:July 80:372
Converging Flow Model Applied to Urban Catchment, Franklin W. Ellis, Fred V. Ramsey and George M. Hornberger, HY9:Sept 80:1457:15711
Detention/Retention Stormwater Designs, Harvey H. Harper, Claude L. Cassagnol and Martin P. Wanielista, Preprint No.80-599, Oct 80, 11pp.
Development of a Dynamic Stormwater Management System, Peter E. Manz, HYUS:June 80:163
Downstream Effects of Stormwater Management Basins, Richard H. McCuen, HY11:Nov 79:1343: 14977
Drainage Design in a Riverine Floodplain System, Robert James Motchkavitz, HYUS:June 80:369
Drainage Design of the Tampa Palms Property, Robert James Motchkavitz, IRKA:July 80:150
Effects of Subsidence on Stream Hydraulics, Christopher B. Amandes, HYUS:June 80:414
EPA Research in Urban Stormwater Pollution Control, Richard Field, HY5:May 80:819:15389
Evaluation of Alternative Stormwater Detention Policies, Gregory E. Kamedulski and Richard H. McCuen, WR2:Sept 79:171:14806
Methodology for Calibrating Stormwater Models, Thomas K. Jewell, Thomas J. Nunno and Donald Dean Adrian, EE3:June 78:485:13812
Mitigating Runoff Pollution Into South Shore Bays of Long Island, New York, Kevin J. Phillips, Vito Minei, Thomas Maher and Philip A. Haderer, HYUS:June 80:228
North City West Drainage Investigation, James S. Jenks, Thomas C. MacDonald and Robert B. Ebert, HYUS:June 80:405
Optimization of Stormwater Management Practices, Mark M. Calabrese, HYUS:June 80:183
Parametric-Deterministic Urban Watershed Model, William M. Alley, David R. Dawdy and John C. Schaake, Jr., HY5:May 80:679:15392
Political Aspects of Urban Stormwater Management, Levi A. Brown, WR1:Mar 80:265:15268
Pollutant Concentrations form Homogenous Land Uses, Irwin Polls and Richard Lanyon, EE1:Feb 80: 69:15169
Predicting Eutrophication Impacts of Development, Myron S. Rosenberg, Robert A. Kimball and Robert P. Shubinski, IRKB:July 80:517
Retention/Detention Basins in Coastal Areas, A. B. Pennell, HYUS:June 80:299
SMADA—Stormwater Management and Design Aid, Timothy M. Curran and Martin P. Wanielista, Preprint No.80-603, Oct 80, 14pp.
Stormwater Analysis and Prediction in Houston, Philip B. Bedient, Douglas A. Harned and William G. Characklis, EE6:Dec 78:1087:14237
Stormwater and Lake Quality Management—Two Examples, Gregory E. Kamedulski and Richard F. Thomas, HYUS:June 80:303
Stormwater and Reclaimed Effluent in Trickle Irrigation, Gideon Oron, Gedaliah Shelef and Benjamin Zur, IR4:Dec 80:299:15906
Stormwater Detention Basin Sizing, Kit R. Burton, TN: HY3:Mar 80:437:15229
Stormwater Detention in Developing Watersheds, Christopher B. Amandes and Philip B. Bedient, EE2:Apr 80:403:15335
Stormwater Interception and Storage, Dominic M. Di Toro and Mitchell J. Small, EE1:Feb 79:43:14368
Stormwater Management In Coastal North Carolina, Neil S. Grigg, Alfred M. Duda and John Morris, HYUS:June 80:33
Stormwater Quality—First Efforts in Denver, Ben Urbonas and L. Scott Tucker, TC1:Aug 80:53: 15621
Stormwater Runoff Modeling of a Planned Community, Kevin J. Smolenyak, HYUS:June 80: 378
Stormwater Treatment Systems, Mitchell J. Small and Dominic M. DiToro, EE3:June 79:557:14617
Storm Water Treatment with Minor Plant Alterations, George R. Brower, Robert H. Brotherton and John B. Kincaid, EE80:July 80:472
SWMM Application to Combined Sewerage in New Haven, Joseph A. Cermola, Sergio DeCarli, Dev R. Sachdev and Hassan M. El-Baroudi, EE6:Dec 79: 1035:15042
Urban Storm Sewer Flows in Coastal Areas, Chintu Lai, HYUS:June 80:244
Urban Stormwater/Combined Sewage Management and Pollution Abatement Alternatives, Richard P. Traver, Preprint No.80-614, Oct 80, 14pp.

Strain
Behavior of Concrete under Multiaxial Stress States, Kurt Berlin Gerstle, Helmut Aschl, Roberto Bellotti, Paolo Bertacchi, Michael D. Kotsovos, Hon-Yim Ko, Diethelm Linse, John B. Newman, Pio Rossi, Gerald Schickert, Michael A. Taylor, Leonard A. Traina, Helmut Winkler and Roger M. Zimmerman, EM6:Dec 80:1383:15945
Creep Strain Accumulation Under Random Loading, Chavali V.S. Kameswara Rao, TN: EM6:Dec 78: 1457:14198
Evaluation of Fracture Techniques in Cementitious Composites, K. Visalvanich and Antoine E. Naaman, FIC:Oct 80:65
Finite and Infinitesimal Strain Consolidation, Robert L. Schiffman, TN: GT2:Feb 80:203:15158
Tension and Tension-Shear Fractures in Cements and Concretes, Michael A. Taylor, FIC:Oct 80

Strain Energy
Influence of Notch Dimensions on the Effective Surface Energy and Notch-Sensitivity of Cement Compounds, Shan Somayaji, FIC:Oct 80:36
Resistance to Crack Growth in Portland Cement Composites, Methi Wecharatana and Surendra P. Shah, FIC:Oct 80:82
Stable Growth of Surface Cracks, George C. Sih and Bruce V. Kiefer, EM2:Apr 80:245:15346

Strain Gages
Bolt Tension Measurement from Head Strain Data, John O. Surtees and Moheeb E. Ibrahim, ST2:Feb 80:477:15195
Oil Shale Properties by Split Cylinder Method, Ken P. Chong, John Ward Smith, Bin Chang and Sigmund Roine, GT5:May 79:595:14567
A Study of Downdrag on a Cast-in-Place Concrete Pile, Antal Partos, GTDF:80:311
Unstiffened Pipe Riser Clamps, Umesh Chandra, Pen J. Fang and Everett E. McEwen, EY2:Oct 80:113: 15730

Strain Hardening
Anisotropic Undrained Stress-Strain Behavior of Clays, Jean-Herve Prevost, GT8:Aug 78:1075: 13942
Constitutive Model for Short-Time Loading of Concrete, Niels Saabye Ottosen, EM1:Feb 79:127: 14375
Further Consideration of Progressively Fracturing Solids, John W. Dougill and M. A.M. Rida, EM5: Oct 80:1021:15764
A Plastic-Fracture Model for Concrete, S. S. Hsieh, Edward C. Ting and Wai F. Chen, FIC:Oct 80:50

Strain Measurement
Stress-Path Influence on Drained Deformations of Clay, Chitta R. Gangopadhyay, Subhas C. Das and Nitin N. Som, GT11:Nov 80:1243:15807

Strain Rate
Ballistic Pendulums and Dynamic Testing of Clays, Farrokh N. Screwvala and Raj P. Khera, GT8:Aug 79:927:14772
Undrained Cyclic Strength of Marine Soils, William N. Houston and Herbert G. Herrmann, GT6:June 80:691:15508

Strains
Cyclic Movements of Offshore Structures on Clay, Francis Dumas and Kenneth L. Lee, GT8:Aug 80: 877:15655
Elastic-Plastic Seismic Response of Chimney, Le-Chung Shiau and Henry T.Y. Yang, ST4:Apr 80: 791:15325
Load Response of Transportation Support Systems, Lutfi Raad and Jose L. Figueroa, TE1:Jan 80:111: 15146
Partial Composite Action in Diaphragms, Rafik Y. Itani and Girish S. Hiremath, EM4:Aug 80:739: 15624
Total Strain Theory and Path-Dependence of Concrete, Zdenek P. Bazant and Tatsuya Tsubaki, EM6:Dec 80:1151:15911

Strategic Materials
Strategic Petroleum Reserves: Billion Dollar Project to Provide Energy Security for U.S., Part 1 and 2, Ann E. Seltz-Petrash, CE:Aug 80:41

Stratification
Bouyant Jet Behavior Near the Maximum Rise, Roger B. Wallace and Steven J. Wright, HYCO: Aug 80:356
Cone Penetration in Soil Profiling, Mohsen M. Baligh, Vitoon Vivatrat and Charles C. Ladd, GT4: Apr 80:447:15377
Confined Flow in Aquifer Containing Thin Layer, Charles W. Lenau, EM4:Aug 80:719:15630
Destratification of Lakes Using Bubble Columns, C. Kranenburg, HY4:Apr 79:333:14498
Dispersion in Two-Layer Stratified Water Bodies, George C. Christodoulou and Jerome J. Connor, HY4:Apr 80:557:15342
Forced Plumes in a Stratified Reservoir, Brian Henderson-Sellers, HY4:Apr 78:13658
Hydraulic Modeling of Mixing in Stratified Lakes, Peter M. Moretti and Dennis K. McLaughlin, HY4: Apr 77:367:12868
Interfacial Stability in Channel Flow, Richard H. French, HY8:Aug 79:955:14768
Numerical Simulation of Turbulent Stratified Flows in Surface Water Impoundments, Angelos N. Findikakis and Robert L. Street, HYCO:Aug 80: 249
On the Effect of the Value of the Eddy Coefficients on the Simulated Vertical Structure of Stratified Flows, Angelos N. Findikakis and Robert L. Street, HYCO:Aug 80:377
Thermal Predictions using Integral Energy Model, Dennis E. Ford and Heinz G. Stefan, HY1:Jan 80: 39:15119
Two-Dimensional Buoyant Jets in Stratified Fluid, Steven J. Wright and Roger B. Wallace, HY11:Nov 79:1393:15003
Two-Dimensional Heated Jets in Shallow Water, Bruce McEnroe and Subhash C. Jain, EY1:Apr 80: 33:15349

Stratified Flow
Bouyant Jet Behavior Near the Maximum Rise, Roger B. Wallace and Steven J. Wright, HYCO: Aug 80:356
Dispersion in Two-Layer Stratified Water Bodies, George C. Christodoulou and Jerome J. Connor, HY4:Apr 80:557:15342
Estuarine Front Formation and Propagation, John P. Grubert, HY6:June 80:961:15485
Experiments on Arrested Saline Wedge, John P. Grubert, HY6:June 80:945:15484
Finite Element Model of 2-D Stratified Flow, John D. Wang, HY12:Dec 79:1473:15049
Mathematical Model for Staged Diffuser Discharge, Dominique N. Brocard, Charles H. Beauchamp and Shih-Kuan Hsu, HYCO:Aug 80:154
On the Effect of the Value of the Eddy Coefficients on the Simulated Vertical Structure of Stratified Flows, Angelos N. Findikakis and Robert L. Street, HYCO:Aug 80:377
Thermal Structure of Cooling Ponds, Gerhard H. Jirka, HY5:May 80:701:15412
Transfer Coefficients in Stratified Channel Flow, Richard H. French, HY9:Sept 79:1087:14808
Two-Dimensional Buoyant Jets in Stratified Fluid, Steven J. Wright and Roger B. Wallace, HY11:Nov 79:1393:15003
Vertical Mixing in Stratified Tidal Flows, Nicholas V.M. Odd and James G. Rodger, HY3:Mar 78:337: 13599

Streambeds
Armored Versus Paved Gravel Beds, Dale I. Bray and Michael Church, TN: HY11:Nov 80:1937: 15791

Stream Channels
A Model Structure for Stream Systems, John B. Stall, HYCO:Aug 80:98
Session IV—Non-Meteorologic Data, William R. Boggess, EFHYF:Mar 79:422

Stream Erosion
Potamology in 1932: Lower Mississippi River, Leo M. Odom, WW4:Nov 79:405:14993

Stream Flow
A Baseflow Simulation Model, Susan E. Hogg, Anton G. Thompson and W. David Striffler, IRKB:July 80:755
BPA Hydrologic Forecasting Considerations and Action During the 1976-77 Drought, William R. Gordon, C. H. Watkins and R. C. Lamb, EFHYF: Mar 79:274
Contamination in the Hydrologic Data Base, Robert J.C. Burnash and R. Larry Ferral, EFHYF:Mar 79: 303
Determining Instream-Flow Needs on Public Lands, Mike Whittington and Bruce Van Haveren, IRKA: July 80:36
Divergent Flow in the Vicinity of a Breached Dam, Nikolaos D. Katopodes, HYCO:Aug 80:310
Effect of Out-Of-Basin Water Diversions on Instream Flow Needs, Wayne S. Gentry, IRKA:July 80:52
Estimating Average Velocity in Gravel-Bed Rivers, Dale I. Bray, HY9:Sept 79:1103:14810
Evaluation of Compliance Criteria for River Plumes, Pauly P. Paily, HYCO:Aug 80:142
Geomorphic Indices of Hydrologic Characteristics, James R. Maxwell and Richard A. Marston, IRKB: July 80:1
Hydrologic Effects of a Severe Forest Fire, J. D. Cheng, IRKB:July 80:240
Hydrologic Simulation of the Effects of Forest Removal, D. S. Chanasyk and Jacobus P. Verschuren, IRKB:July 80:452
The Issue of Freshwater Inflow to Estuaries, Norman G. Benson, CZ80:Nov 80:1147

Long-Term Impacts of Surface Mining on Streamflow, R. C. Sidle and H. A. Menser, IRKB: July 80:598
A Model Structure for Stream Systems, John B. Stall, HYCO:Aug 80:98
Particle Size Distribution Effects on Turbidity, Thomas Arthur Holstrom and Richard H. Hawkins, IRKB:July 80:283
The Physical Impacts of Sand Removal From Rivers, Jimmy F. Harp and Joakim G. Laguros, IRKA:July 80:180
Potamology in 1932: Lower Mississippi River, Leo M. Odom, WW4:Nov 79:405:14993
Seasonal Water Chemistry in the Tidal Potomac River, David H. Peterson, CZ80:Nov 80:1558
Sediment Characteristics of the Tongue River Basin, Thomas J. Osborne and Charles B. Andrews, IRKB: July 80:114
Soil Moisture and Snowpack after Clearcutting, George E. Hart and David A. Lomas, IRKB:July 80:311
Spatial Simulation of Snow Processes, Anton G. Thomsen and W. David Striffler, IRKB:July 80:326
Stochastic Generation of Annual Streamflows, R. Srikanthan and Thomas A. McMahon, HY12:Dec 80:2011:15935
Streamflow Network in The Province of Alberta, 1980, Hans Ryckborst, IRKA:July 80:63
Stream Temperature Estimation Using Kalman Filter, Chao-Lin Chiu and Emmanuel Oko Isu, HY9:Sept 78:1257:13991
Techniques For The Generation of Long Streamflow Sequences, K. M. Leytham and Delbert D. Franz, EFHYF:Mar 79:20
Three-Dimensional Open Channel Flow, Chao-Lin Chiu, David E. Hsiung and Hsin-Chi Lin, HY8:Aug 78:1119:13963
Urbanization Impact on Streamflow, Leo R. Beard and Shin Chang, HY6:June 79:647:14623
Water Source Investigation for Newport News, Va., Robert C. Dolecki, Richard E. Underhill and James A. Rhodes, EE80:July 80:249

Streamflow Records

Techniques For The Generation of Long Streamflow Sequences, K. M. Leytham and Delbert D. Franz, EFHYF:Mar 79:20

Stream Gaging Station

Streamflow Network in The Province of Alberta, 1980, Hans Ryckborst, IRKA:July 80:63

Stream Improvement

Regional Planning for the Urban Waterfront, John R. Weingart, CZ80:Nov 80:286
Waterfront Master Plan for Kenosha, Wisconsin, J. William Allen, Thomas W. Wood and Ian J. McAlister, CZ80:Nov 80:267
Waterfront Policy: Responding to Local Needs, Letitia C. Longord and Irene L. Murphy, CZ80: Nov 80:256

Stream Pollution

Management of Galbraith Gap Municipal Watershed, David R. DeWalle, IRKB:July 80:1012

Streams

Assessing Nonpoint Water Quality for Small Streams, Michael E. Meadows, Dennis W. Weeter and James M. Green, EE6:Dec 78:1119:14232
Assimilative Capacity of Small Streams, Chenchayya T. Bathala, Khirod C. Das and Wesley D. Jones, EE6:Dec 79:1049:15082
Dual-Purpose Detention Basins, William Whipple, Jr., WR2:Sept 79:403:14860
Flow Routing in Tailwater Streams, Michael G. Ferrick, HYCO:Aug 80:192
Ground and Surface Water Interaction—Legal Aspects, William E. Kelly, WR1:Mar 80:55:15234
Hydraulic Geometry Coefficients of Floodplains, Nani G. Bhowmik, HYCO:Aug 80:86
Knickpoint Migration due to Baselevel Lowering, Ze'ev B. Begin, David F. Meyer and Stanley A. Schumm, WW3:Aug 80:369:15651
Measuring Preferences for Natural Landscapes, John A. Dearinger, UP1:Jan 79:63:14308
Minimum Stream Power: Theory, Charles C.S. Song and Chih Ted Yang, HY9:Sept 80:1477:15691
Modeling Channel Processes with Changing Land Use, Leonard J. Lane and George R. Foster, IRKB: July 80:200
Nitrogen Yields and Land Use in Southern Streams, Mingteh Chang, Jack D. McCullough and Frank A. Roth, II, IRKB:July 80:951
Sediment Oxygen Demand and Nutrient Release, Preston S. Chiaro and Dennis A. Burke, EE1:Feb 80:177:15206
A Temperature Model for Small Mountain Streams, Shelley S. Ellis, Stanley L. Ponce and L. Eric Siverts, IRKB:July 80:494
Turbulent Jets in Co-Flowing Streams, Pande B.B. Lal and Nallamuthu Rajaratnam, EM6:Dec 79: 1025:15043
Velocity Profiles and Minimum Stream Power, Charles C.S. Song and Chih Ted Yang, HY8:Aug 79:981:14780

Street Maintenance

Facelifting City Streets, Warren Travers, CE:Aug 79: 79
More Than Just Another Routine Job, CE:June 79:69

Streets

Chicago's Computerized Traffic Control System, Ronald Q. Pool, TE4:July 79:401:14706
Facelifting City Streets, Warren Travers, CE:Aug 79: 79
Water Pollution from Snow Removal Operations, Bruce W. Pierstorff and Paul L. Bishop, EE2:Apr 80:377:15331

Strength

Cone Resistance as Measure of Sand Strength, James K. Mitchell and Tom A. Lunne, GT7:July 78:995: 13901
Engineering Properties of Soil-Lime Mixes, Mohamed M. Aly Sabry and James V. Parcher, TE1:Jan 79:59:14278
Erection Strength Adequacy of Long Truss Cantilevers, Jackson L. Durkee and Spiro S. Thomaides, ST1:Jan 77:225:12698
Estimating Supporting Strength of Flexible Pipes, Otto Brody, TE4:July 79:473:14716
Generalized Stress-Strain Relations for Concrete, Michael D. Kotsovos and John B. Newman, EM4: Aug 78:845:13922
Infilled Walls for Earthquake Strengthening, Lawrence F. Kahn and Robert D. Hanson, ST2:Feb 79:283:14364
Relationships and Variations of Properties of Clay, Thomas M. Petry and J. Clyde Armstrong, SLS: June 80:172
Soaked Strength of Laboratory Compacted Clay, James C. Scott, Adolph G. Altschaeffl and Charles William Lovell, GT11:Nov 79:1273:14987
Stochastic Simulation of Wood Load-Sharing Systems, A. Louis DeBonis, ST2:Feb 80:393:15186
Strength Interaction Surfaces for Tall Buildings, Bruno Zimmerli and Bruno Thurlimann, ST3:Mar 79:481:14426

Stress

Anisotropic Shear Modulus due to Stress Anisotropy, Stephan K. Roesler, GT7:July 79:871:14692
Behavior of Concrete under Multiaxial Stress States, Kurt Berlin Gerstle, Helmut Aschl, Roberto Bellotti, Paolo Bertacchi, Michael D. Kotsovos, Hon-Yim Ko, Diethelm Linse, John B. Newman, Pio Rossi, Gerald Schickert, Michael A. Taylor, Leonard A. Traina, Helmut Winkler and Roger M. Zimmerman, EM6:Dec 80:1383:15945
Tension and Tension-Shear Fractures in Cements and Concretes, Michael A. Taylor, FIC:Oct 80
Turbulence Measurements in Simulated Tidal Flow, Habib O. Anwar and Roy Atkins, HY8:Aug 80: 1273:15609

Verification of Non-Linear Effective Stress Model in Simple Shear, W. D. Liam Finn and Shobha K. Bhatia, Preprint No.80-520, Oct 80, 13pp.

Stress Analysis
Accuracy Assessment for Finite Element Stress Analysis, Ergin Citipitioglu, CP80:June 80:246
Computer Modeling of Clay Structure and Mechanics, Ronald F. Scott and Michael J.K. Craig, GT1:Jan 80:17:15128
EISI-EAL: Engineering Analysis Language, W. D. Whetstone, CP80:June 80:276
Optimal Design of Aortic Leaflet Prosthesis, Dhanjoo N. Ghista, Helmut Reul, Gautam Ray and K. B. Chandran, EM1:Feb 78:97:13521
Stress Analysis of Marine Limestone Solution Features, Shelly Prager and Zen Yang, Preprint No.80-619, Oct 80, 17pp.
Torsional Stresses in Circularly Curved Bars, Chirasak Thasanatorn and Walter D. Pilkey, ST11: Nov 79:2327:14984

Stress Concentration
Bending of Strip with Semielliptic Notches or Cracks, Norio Hasebe, EM6:Dec 78:1433:14248
Harmonic Shape and Optimum Design, Rowland Richards, Jr. and Gordon S. Bjorkman, Jr., EM6: Dec 80:1125:15889
Mechanics of Stress Concentration and Failure Around Fastening Holes in Structural Plastics, Amad E. Tayebi and David V. Gorky, Preprint No.80-578, Oct 80, 13pp.
Prestressed Concrete Beams with Transverse Circular Holes, Sk. Abdus Salam and Jack Harrop, ST3:Mar 79:635:14465
Stress Analysis of Bonded Plates and Joints, Umur Yuceoglu and Dean P. Updike, EM1:Feb 80:37: 15189
Stress Concentrations in Bonded Multi-Layer Cylindrical Shells, Umur Yuceoglu and Dean P. Updike, Preprint No.80-656, Oct 80, 10pp.

Stress Cycle
Stress Path Method: Second Edition, T. William Lambe and W. Allen Marr, GT6:June 79:727:14655

Stress Distribution
Comparison of FEM Analyses for a Hyperboloidal Shell, James R. Shaver and Timothy A. Reinhold, CP80:June 80:161
The Effects of Static Loads on Dynamic Response, Som P. Virk, CP80:June 80:132
Local Buckling of Beams under Stress Gradient, Yei L. Tien and Shien T. Wang, ST8:Aug 79:1571: 14774
Strain Controlled Testing of Expansive Soils, Andrew A. Porter and John D. Nelson, SLS:June 80:34
Stress-Path Influence on Drained Deformations of Clay, Chitta R. Gangopadhyay, Subhas C. Das and Nitin N. Som, GT11:Nov 80:1243:15807

Stresses
Basic Pipe Stress Evaluation Summary, Gerald F. Mouser, TE4:July 79:349:14691
Beams with Torsional and Flexural Loads, Thomas P. Pastor and John T. DeWolf, ST3:Mar 79:527:14461
Bending Analysis of Parabolic Velaroidal Shells, Hassoun A. Hadid and Paul P. Lynn, ST7:July 80: 1609:15570
Bridge Analysis and Rating System, Hasmukh M. Lathia, TC1:Apr 79:211:14538
Cam-Clay Predications of Undrained Strength, Paul W. Mayne, GT11:Nov 80:1219:15816
Comparison of FEM Analyses for a Hyperboloidal Shell, James R. Shaver and Timothy A. Reinhold, CP80:June 80:161
Composite Beams with Web Openings, Stuart E. Swartz and Krigo S. Eliufoo, TN: ST5:May 80: 1203:15384
Concrete Filled Structural Plastic Columns, Carl E. Kurt, ST1:Jan 78:55:13478
Cooling Towers with Circumferential Imperfections, Charles P. Ellinas, James G.A. Croll and Kenneth O. Kemp, ST12:Dec 80:2405:15910
Effects of Pore Fluid on the Swelling of Clay-Shale, N. R. Morgenstern and B. I. Balasubramonian, SLS: June 80:190
Elastic-Plastic Seismic Response of Chimney, Le-Chung Shiau and Henry T.Y. Yang, ST4:Apr 80: 791:15325
Exact Analysis of Unsymmetric Laminated Beam, K. M. Rao and B. G. Ghosh, ST11:Nov 79:2313: 14983
Finite Element Analysis of Box Girders, Martti J. Mikkola and Juha Paavola, ST6:June 80:1343: 15498
Fire Response of Reinforced Concrete Slabs, Zuhayr Nizamuddin and Boris Bresler, ST8:Aug 79:1653: 14784
Flexure of Laminated Beams, I. K. Silverman, ST3: Mar 80:711:15293
General Deformation (Elastic and Inelastic) and Stresses Beneath Plates and Wheels, Richard H. Ledbetter, Preprint No.80-668, Oct 80, 13pp.
Improved Stress Analysis for Cross-Tie Tracks, Arnold D. Kerr, EM4:Aug 79:539:14752
Load Response of Transportation Support Systems, Lutfi Raad and Jose L. Figueroa, TE1:Jan 80:111: 15146
Meridional Imperfection in Cooling Tower, Adam Al-Dabbagh and Ajaya K. Gupta, ST6:June 79: 1089:14636
Numerical Analysis of Underground Structures, Charles W. Schwartz, CP80:June 80:217
Partial Composite Action in Diaphragms, Rafik Y. Itani and Girish S. Hiremath, EM4:Aug 80:739: 15624
Refined Theories for Nonhomogeneous Anisotropic Cylindrical Shells: Part I-Derivation, Daryl E.O. Widera and Darly L. Logan, EM6:Dec 80:1053: 15933
Refined Theories for Nonhomogeneous Anisotropic Cylindrical Shells: Part II-Aplication, Daryl L. Logan and G. E.O. Widera, EM6:Dec 80:1075: 15934
Shear Centers, Wan T. Tsai, TN: EM5:Oct 79:893: 14871
Simplified Passive Earth Pressure Analysis, Prabir K. Basudhar and Madhira R. Madhav, TN: GT4:Apr 80:470:15304
Soil Modulus and Longitudinal Pipeline Stresses, Roger E. Hobbs, TE6:Nov 80:775:15831
Stress Analysis of Bins by Shell Bending Theory, Sukhvarsh Jerath and Arthur P. Boresi, ST6:June 79:1069:14632
Stresses Induced in a Rigid Sandbed by Wave Loading, Kenneth R. Demars, Preprint No.80-539, Oct 80, 14pp.
Stresses in Floating Roofs, Howard I. Epstein and John R. Buzek, ST5:May 78:735:13740
Stress Path Method: Second Edition, T. William Lambe and W. Allen Marr, GT6:June 79:727:14655
Stress Reduction Design Factors for Masonry Walls, James Colville, ST10:Oct 79:2035:14912
Torsional Stresses in Circularly Curved Bars, Chirasak Thasanatorn and Walter D. Pilkey, ST11: Nov 79:2327:14984
Ultimate Steel Stresses in Unbonded Prestressed Concrete, Soussan Mojtahedi and William L. Gamble, TN: ST7:July 78:1159:13868
Use of Fabrics to Reduce Stresses on Buried Culverts, Edward A. Nowatzki, Bal K. Sanan and Robert L. Sogge, Preprint No.80-177, Apr 80, 24pp.
Yield of Circular Weld Joining Elastic Plates, Lawrence E. Goodman and Leon M. Keer, EM1: Feb 80:135:15203

Stress History
Dynamic Properties of Two Marine Clays, Demetrious C. Koutsoftas and Joseph A. Fischer, GT6:June 80:645:15499
Stress Path Method: Second Edition, T. William Lambe and W. Allen Marr, GT6:June 79:727:14655

Stressing
Design of Counterstressed Cable Structures, Dennis Clarke, ST11:Nov 80:2259:15794

Stress Measurement
Effects of Piles Driving Systems on Driveability and Capacity of Concrete Piles, Christopher David Thompson and David Elliot Thompson, GTDF:80: 420
Fatigue under Wide Band Random Stresses, Paul H. Wirsching and Mark C. Light, ST7:July 80:1593: 15574
Stress Measurements for Offshore Piles Driving, Wendell R. Vines and Jack J. Amar, GTDF:80:475

Stress Relaxation
Approximate Relaxation Function for Concrete, Zdenek P. Bazant and Sang-Sik Kim, ST12:Dec 79: 2695:15083

Stress Strain Characteristics
Constitutive Models for Engineering Materials, A. F. Saleeb and Wai F. Chen, Preprint No.80-605, Oct 80, 14pp.
A Plastic-Fracture Model for Concrete, S. S. Hsieh, Edward C. Ting and Wai F. Chen, FIC:Oct 80:50
Problems in Determining Stress-Strain Characteristics of High Strength Concrete, Surendra P. Shah, Preprint No.80-005, Apr 80, 28pp.
Stress-Strain-Time Behavior of Geotextiles, Robert M. Koerner, Jack L. Rosenfarb, William W. Dougherty and John J. McElroy, Preprint No.80-177, Apr 80, 22pp.

Stress-Strain Curves
Effects of Stress History on Deformation of Sand, James R. Lambrechts and Gerald A. Leonards, GT11:Nov 78:1371:14170
Prediction of Undrained Behavior of Sand, Poul V. Lade, GT6:June 78:721:13834
Re-Evaluation of Work Hardening Model, Erman Evgin and Zdenek Eisenstein, Preprint No.80-545, Oct 80, 14pp.
Static Deformation of Rock, Joseph B. Walsh, EM5: Oct 80:1005:15761

Stress Strain Diagrams
Constitutive Model for Short-Time Loading of Concrete, Niels Saabye Ottosen, EM1:Feb 79:127: 14375

Stress Strain Relations
Generalized Stress-Strain Relations for Concrete, Michael D. Kotsovos and John B. Newman, EM4: Aug 78:845:13922
Nonlinear Behavior of Soft Clays during Cyclic Loading, Izzat M. Idriss, Ricardo Dobry and Ram D. Singh, GT12:Dec 78:1427:14265
Octahedral Based Incremental Stress-Strain Matrices, David W. Murray, EM4:Aug 79:501:14734
Plasticity in Soil Mechanics and Landslides, Wai F. Chen, EM3:June 80:443:15460
Total Strain Theory and Path-Dependence of Concrete, Zdenek P. Bazant and Tatsuya Tsubaki, EM6:Dec 80:1151:15911
A 3D Hypoelastic Concrete Constitutive Relationship, Alaa A. Elwi and David W. Murray, EM4:Aug 79:623:14746

Stress Strain Relations (Soils)
Stressed-Strained State of Expansive Soil Massifs, N. A. Tsytovich, Z. G. Ter-Martirosyan and G. Ya. Karapetov, SLS:June 80:866

Stress Waves
Bearing Capacity of Steel Core Piles, Hakan Bredenberg and Bengt B. Broms, GTDF:80:48

Striped Bass
Modeling of PCB Fate in the Hudson River System, Robert V. Thomann, Paul C. Pacquin and James J. Fitzpatrick, EE80:July 80:130

Strip Mining
Erosion Modeling Approaches for Construction Sites, Richard C. Warner and Benjamin C. Dysart, III, IRKB:July 80:465
Establishing Cool-Season Grasses on Mine Spoils, Earl F. Aldon, David G. Scholl and Charles P. Pase, IRKB:July 80:91
Long-Term Impacts of Surface Mining on Streamflow, R. C. Sidle and H. A. Menser, IRKB: July 80:598
Predicting Sediment Yield from Strip-Mined Land, Martin M. Fogel, Louis H. Hekman, Jr. and Lucien Duckstein, IRKB:July 80:176
Regulations Complicate Land Reclamation in the West, Ann E. Seltz-Petrash, CE:Sept 80:85
Sediment Characteristics of the Tongue River Basin, Thomas J. Osborne and Charles B. Andrews, IRKB: July 80:114

Stripping
Organics in Water—An Engineering Challenge, Perry L. McCarty, EE1:Feb 80:1:15180

Structural Analysis
Algorithms for Interactive Structural Analysis, Yehonathan Hazony and Lawrence E. Zeidner, CP80:June 80:257
Analysis of Floating Bridges: The Hood Canal Bridge, Rene W. Luft, EM81:Jan 81:1
Analysis of Geodesic Panel Domes, William C. Carpenter, G. Gonzalez and J. Platz, Preprint No.80-538, Oct 80, 13pp.
Approximate Launch Analysis of Offshore Platforms, Bruce G. Wade and Lee King-Hin, Preprint No.80-588, Oct 80, 10pp.
Approximate Stiffness Analysis of High-Rise Buildings, Ali A.K. Haris, ST4:Apr 78:681:13700
Computer Aided Design and the Corps of Engineers, Seymour Schneider, CP80:June 80:627
Dynamic Reduction of Structural Models, Charles A. Miller, ST10:Oct 80:2097:15775
Dynamics and Optimal Design of AGT System, Levon Minnetyan, Richard B. Nelson and D. Lewis Mingori, ST4:Apr 80:897:15365
Effective Utilization of Computer-Aided Design, Thomas H. Wenzel, CP80:June 80:401
EISI-EAL: Engineering Analysis Language, W. D. Whetstone, CP80:June 80:276
Equivalent Frame Analysis for Lateral Loads, M. Daniel Vanderbilt, ST10:Oct 79:1981:14931
Force Limiting Devices in Space Trusses, Lewis C. Schmidt and Ariel Hanaor, ST5:May 79:939:14589
High Explosive Simulation of Earthquake-Like Motions, Cornelius J. Higgins, Roy L. Johnson, George E. Triandafilidis and David W. Steedman, EM81:Jan 81:126
In House Preprocessors for ICES STRUDL, John G. Janssen and Edward T. Manning, Jr., CP80:June 80:670
Limit Analysis of Reinforced Concrete Arch Bridges, Paola Ronca and M. Z. Cohn, ST2:Feb 79:313: 14337
Orthotropic Membrane for Tall Building Analysis, Kinh H. Ha, Paul P. Fazio and Osama Moselhi, ST9:Sept 78:1495:14033
Overview of University Computing (Abstract), David R. Schelling and W. Levine, CP80:June 80:418
Planning, Analysis, Design and Construction of Two Offshore Trestles Supporting Seven Pipelines and Electrical Cable Trays, Donald E. Arthur and Syed I. Husain, Preprint No.80-568, Oct 80, 14pp.
Plastic Models for Structural Analysis — Facts and Fallacies, Ronald L. Bannister, Ish K. Aneja and Kazuhiro Shiraki, Preprint No.80-020, Apr 80, 20pp.
Primal and Dual Methods in Structural Optimization, C. Fleury and Lucien A. Schmit, ST5:May 80:1117: 15431
RPI's Computer Graphics Installation, Larry J. Feeser, CP80:June 80:391
Savings in Multiple Analysis by Using Finite Elements, Som P. Virk, CP80:June 80:186
Seismic Response by SRSS for Nonproportional Damping, Mahendra P. Singh, EM6:Dec 80:1405: 15948
Space Truss Studies with Force Limiting Devices, Ariel Hanaor and Lewis C. Schmidt, ST11:Nov 80: 2313:15808

A Specialized Processor for Structural Analysis, George R. Cameron, CP80:June 80:267
Stress Analysis of Bins by Shell Bending Theory, Sukhvarsh Jerath and Arthur P. Boresi, ST6:June 79:1069:14632
Structural Analysis of Concrete Pavement Systems, Amir M. Tabatabaie and Ernest J. Barenberg, TE5: Sept 80:493:15671
Structural Analysis on Microcomputers, Craig M. Bennett, Jr. and Barry J. Goodno, CP80:June 80: 488
Structural Characterization Of Concrete Chimneys, Kalman L. Benuska, Gerald Y. Matsummoto, Everett H. Killam and John G. Diehl, EM81:Jan 81:152
Structural Computer Office Practice, S. B. Vora and Lin Y. Huang, CP80:June 80:604
System Identification: Review And Examples, Ken Blakely, Paul Ibanez, Shelley Griffith, Bob Cooper and John Stoessel, EM81:Jan 81:846

Structural Behavior
Active Control of Flexible Structures, Mohamed Abdel-Rohman and Horst H. Leipholz, ST8:Aug 78:1251:13964
Building Response To Extreme Wind And Tornadoes, James R. McDonald and Kishor C. Mehta, EM81:Jan 81:547
Diagnostic Testing of a Bridge, Baidar Bakht and Paul F. Csagoly, ST7:July 80:1515:15547
Nonlinear Analysis of Steel Frames, Richard B. Klein and Fred W. Beaufait, CP80:June 80:172
Nonlinear Behavior of Soft Clays during Cyclic Loading, Izzat M. Idriss, Ricardo Dobry and Ram D. Singh, GT12:Dec 78:1427:14265
Space Truss Design in Inelastic Range, Lewis C. Schmidt, Peter R. Morgan and John A. Clarkson, TN: ST12:Dec 78:1915:14201
A Study of the use of Ambient Vibration Measurements to Detect Changes in the Structural Characteristics of a Building, Peter R. Sparks, Alan P. Jeary and V. C. M. de Souza, EM81:Jan 81:189

Structural Bolts
Product Case Histories: What Stands Out?, Philip V. Di Vietro, CE:Aug 79:76

Structural Design
Alternate to ACI Analysis Coefficients, Richard W. Furlong and Carlos Rezende, ST11:Nov 79:2203: 14979
Approximate Curved I-Girder Design, Conrad P. Heins, Preprint No.80-504, Oct 80, 13pp.
Decomposition in Optimum Structural Design, Uri Kirsch and Fred Moses, ST1:Jan 79:85:14320
Design of Steel Connections by Math Programming, Richard Douty, ST5:May 80:1135:15397
Efficient Constraint Treatment in Structural Optimization, Jasbir S. Arora, Edward J. Haug and S. D. Rajan, Preprint No.80-501, Oct 80, 13pp.
Folded Plate Structures, Jerome S.B. Iffland, ST1:Jan 79:111:14300
Ground Control for Shallow Tunnels by Soil Grouting, David Y. Tan and G. Wayne Clough, GT9:Sept 80:1037:15716
High Rise Building Column Design, Jerome S.B. Iffland, ST9:Sept 78:1469:14027
Identification and Nature of Risks—D, Harry Sutcliffe, CRLS:Jan 79:II-40
The Movie System: Low Cost General Purpose Computer Graphics Software, Henry N. Christiansen and B. J. Nay, CP80:June 80:1
A Review of Window Glass Design Practices, Joseph E. Minor, Preprint No.80-117, Apr 80, 19pp.
Seismic Responses of Flexible Piles, Takaaki Kagawa and Leland M. Kraft, Jr., GT8:Aug 80:899:15656
Strength Interaction Surfaces for Tall Buildings, Bruno Zimmerli and Bruno Thurlimann, ST3:Mar 79:481:14426
Stress Reduction Design Factors for Masonry Walls, James Colville, ST10:Oct 79:2035:14912
Structural Design Criteria for Power Plants, Tariq Rafay, Preprint No.80-044, Apr 80, 21pp.
Thick Skin Sandwich Beam Columns with Weak Cores, Robert G. Drysdale, Fernando Betancourt-Angel and Geoffrey B. Haddad, ST12:Dec 79:2601: 15072
Wind and Snow Load Factors for Use in LRFD, Mayasandra K. Ravindra, C. Allin Cornell and Theodore V. Galambos, ST9:Sept 78:1443:14006

Structural Dynamics
Computer Graphics in Education: A Case Study, Michael J. O'Rourke, Robert U. Johnson and Larry J. Feeser, CP80:June 80:450
Dynamic Stresses From Experimental and Modal Analysis, M. A. Tucchio, John F. Carney, III and Howard I. Epstein, EM81:Jan 81:658
Earthquake And Ambient Response Of EL Centro County Services Building, Gerard C. Pardoen, Gary C. Hart and Barrett T. Bunce, EM81:Jan 81:164
Identification Of A Class Nonlinear Dynamic Systems, Sami F. Masri, George A. Bekey, Hassan Sassi and Thomas K. Caughey, EM81:Jan 81:794
Identification of Wind Force Spectrum, Stepan S. Simonian and Gary C. Hart, EM81:Jan 81:672
Structural Damping In The Time Domain, Allen J. Bronowicki, EM81:Jan 81:833
System Identification: Review And Examples, Ken Blakely, Paul Ibanez, Shelley Griffith, Bob Cooper and John Stoessel, EM81:Jan 81:846
Wind Loading And Response Of A High-Rise Building, Russell S. Mills and David Williams, EM81:Jan 81:323

Structural Engineering
Current Structural Engineering Reference Sources, Sam Chan, ST2:Feb 80:519:15211
Dynamic Reduction of Structural Models, Charles A. Miller, ST10:Oct 80:2097:15775
Effect of Openings on Lateral Buckling of Beams, Alexander Coull and Maria C. Alvarez, TN: ST12: Dec 80:2553:15874
Experimental Dynamics of Highway Bridges, Bruce M. Douglas, Charles D. Drown and Monty L. Gordon, EM81:Jan 81:698
An Interactive Software System for Competency and Project Oriented Civil Engineering Education, A. Fattah Chalabi, CP80:June 80:406
The Kalamazoo: Building Damage In The Center City, James R. McDonald and James J. Abernethy, EM81:Jan 81:567
Load Combinations in Codified Structural Design, Carl J. Turkstra and Henrik O. Madsen, ST12:Dec 80:2527:15938
Mechanical-Structural Interface in Building Design, Tseng-Yao Sun, ST3:Mar 79:539:14447
Notched Trusses Give Low-Cost Conversion of Hangars for Jumbo Jets, Edward H. Strand and Stephen H. Barnes, CE:June 80:88
A Plastic-Fracture Model for Concrete, S. S. Hsieh, Edward C. Ting and Wai F. Chen, FIC:Oct 80:50
Structural Analysis on Microcomputers, Craig M. Bennett, Jr. and Barry J. Goodno, CP80:June 80: 488
System Identification In Earthquake Engineering, James T. P. Yao and Anshel J. Schiff, EM81:Jan 81:657
Tangshan Rebuilds after Mammoth Earthquake, James M. Gere and Haresh C. Shah, CE:Dec 80:47
Tests of Beam-to-Column Web Moment Connections, Glenn P. Rentschler, Wai F. Chen and George C. Driscoll, ST5:May 80:1005:15386
Wind Loading And Response Of A High-Rise Building, Russell S. Mills and David Williams, EM81:Jan 81:323

Structural Forms
Prebuckling Rotations and Cylinder Buckling Analysis, Don O. Brush, EM2:Apr 80:225:15332

Structural Members
Detection Of Fatigue Cracks In Structural Members, E. Kummer, J. C. S. Yang and N. Dagalakis, EM81:Jan 81:445
General Imperfection Analysis in Shallow Arches, Cenap Oran, EM6:Dec 80:1175:15907

Post-Yield Flexural Properties of Tubular Members, Stavros A. Anagnostopoulos, ST9:Sept 79:1757: 14821
Reliability Analysis of Steel Beam-Columns, Bruce R. Ellingwood and Timothy A. Reinhold, TN: ST12: Dec 80:2560:15874
Self-Consistent Techniques for Heterogeneous Media, Michael P. Cleary, I-Wei Chen and Shaw-Ming Lee, EM5:Oct 80:861:15769
Tapered Steel Beams Loaded within Tip, Gwynne Davies and Satya Narayan Mandal, ST3:Mar 79: 589:14453
Transient Response of Long Structural Members, David Hsu and Walter Pilkey, TN: EM4:Aug 80: 836:15589

Structural Models
Analysis of Floating Bridges: The Hood Canal Bridge, Rene W. Luft, EM81:Jan 81:1
Models of Precast Concrete Large Panel Buildings, Harry G. Harris and John C. Muskivitch, ST2:Feb 80:545:15218
Plastic Models for Structural Analysis — Facts and Fallacies, Ronald L. Bannister, Ish K. Aneja and Kazuhiro Shiraki, Preprint No.80-020, Apr 80, 20pp.

Structural Stability
Basics in Failure Analysis of Large Structures, Richard Roberts and Alan W. Pense, CE:May 80: 64
Concrete Microwave Tower is Award Winner, Leonard Hayet and Franklin Z. Glickman, CE:Apr 79:62
Estimating Supporting Strength of Flexible Pipes, Otto Brody, TE4:July 79:473:14716
Models of Human Error in Structural Reliability, Niels C. Lind, Preprint No.80-082, Apr 80, 20pp.
Part Two: Basics in Failure Analysis of Large Structures, Richard Roberts and Alan W. Pense, CE:July 80:60
Practical Evaluation of Structural Reliability, Boris Bresler, John M. Hanson, C. D. Comartin and S. E. Thomasen, Preprint No.80-596, Oct 80, 10pp.
Proposed AISC LRFD Design Criteria, Frank J. Heger, TN: ST3:Mar 80:729:15231
Quadratic Limit States in Structural Reliability, Bernd Fiessler, Hans-Joachim Neumann and Rudiger Rackwitz, EM4:Aug 79:661:14739
Upcrossing Rate Solution for Load Combinations, Richard D. Larrabee and C. Allin Cornell, ST1:Jan 79:125:14329

Structural Steel
Basics in Failure Analysis of Large Structures, Richard Roberts and Alan W. Pense, CE:May 80: 64
Collapse Temperature of Steel Structures, Joel Kruppa, ST9:Sept 79:1769:14836
Cyclic Response Prediction for Braced Steel Frames, Bruce F. Maison and Egor P. Popov, ST7:July 80: 1401:15534
Metrication of Structural Steel, Phillip A. Speer and Harold L. Taylor, Preprint No.80-149, Apr 80, 21pp.
Nonlinear Analysis of Steel Frames, Richard B. Klein and Fred W. Beaufait, CP80:June 80:172
Seismic Analysis of Some Steel Building Frames, Egor P. Popov and Vitelmo V. Bertero, EM1:Feb 80:75:15194

Structural Steels
Welded Connections in Round Bar Steel Structures, Henning Agerskov and Jorgen Bjornbak-Hansen, ST12:Dec 79:2707:15087

Structures
Behavior of Expansive Soils in Western Canada, J. J. Hamilton, SLS:June 80:815
Brace Forces in Interbraced Column Structures, Ian C. Medland and Cecil M. Segedin, ST7:July 79: 1543:14698
Building on Expansive Soils in South Africa: 1973-1980, Antony AB Williams and George W. Donaldson, SLS:June 80:834
Damage Assessment of Existing Structures, James T.P. Yao, EM4:Aug 80:785:15653
Dynamic Analysis of Equipment-Structure Systems, Jerome L. Sackman and Armen Der Kiureghian, EM81:Jan 81:731
Dynamic Stresses From Experimental and Modal Analysis, M. A. Tucchio, John F. Carney, III and Howard I. Epstein, EM81:Jan 81:658
Elastic-Plastic Deflections Due To Pulse Loading, P. S. Symonds, EM81:Jan 81:887
Finite Response of Inelastic RC Structures, Siegfried M. Holzer, Arnold E. Somers, Jr. and Joel C. Bradshaw, ST1:Jan 79:17:14303
Keynote Address, Spencer J. Buchanan, SLS:June 80: 661
Logical Analysis of Subjective Estimates of Structural Failure, D. I. Blockley, Preprint No.80-003, Apr 80, 17pp.
Mechanism Generation for Limit Analysis of Frames, Vernon B. Watwood, ST1:Jan 79:1:14315
On The Reduction Of 3D Soil-Structure Interaction Problems TO 2D Models -a1A., Asadour H. Hadjian, J. E. Luco and Hung Leung Wong, EM81: Jan 81:217
Pile Foundations in Swelling Soils, E. A. Sorochan, SLS:June 80:845
Recent Design and Construction of Cargo Wharves, Robert R. Adams, MGC:July 80:75
Reducing Failures During Earthquakes, Henry J. Degenkolb, CE:Aug 80:56
Rheology of Swelling Soils and Deformation Forecast, Abbas Ali ogly Mustafayev and G. D. Chigniev, SLS:June 80:760
Seismically Induced Sliding of Massive Structures, Eduardo Kausel, Albert Stanley Lucks, Lewis Edgers, William F. Swiger and John T. Christian, GT12:Dec 79:1471:15065
Stationary Response Of Structures With Closely Spaced Modes, Armen Der Kiureghian, EM81:Jan 81:492
Transient Analysis of Light Equipment in Structures, Jerome L. Sackman and J. M. Kelly, EM81:Jan 81: 723
Vibration Analysis of Planar Structures, Gordon C. Li and Chandrakant S. Desai, TN: ST8:Aug 80: 1813:15591
Vibration Test Of Structures At Varied Amplitudes, Alan P. Jeary and Brian R. Ellis, EM81:Jan 81:281
Wind Damage In Hurricane Frederic, Timothy A. Reinhoid and Kishor C. Mehta, EM81:Jan 81:532

Struts
Buckling of Space Stayed Columns, Ibrahim A. Hathout, Murray C. Temple and John S. Ellis, ST9: Sept 79:1805:14852
End Restraint and Column Stability, Wai F. Chen, ST11:Nov 80:2279:15796
Force Limiting Devices in Space Trusses, Lewis C. Schmidt and Ariel Hanaor, ST5:May 79:939:14589
Pretensioning of Single-Crossarm Stayed Columns, H. H. Hafez, Murray C. Temple and John S. Ellis, ST2:Feb 79:359:14362
Space Truss Studies with Force Limiting Devices, Ariel Hanaor and Lewis C. Schmidt, ST11:Nov 80: 2313:15808
Torsional Buckling Study of Hartford Coliseum, Robert S. Loomis, Raymond H. Loomis, Robert W. Loomis and Richard W. Loomis, ST1:Jan 80:211: 15124

Students
How NFMES Brings Minorities into Engineering, Garvey E. Clarke, EI2:Apr 79:59:14478
Who Gives a Damn?, Arthur T. Nielsen, EI2:Apr 80: 113:15323

Subcritical Flow
Side Weir in Rectangular Channel, Kittur G. Ranga Raju, Baidyanath Prasad and Sushil K. Gupta, HY5:May 79:547:14596

Subdivisions
Analysis of Closed Conduit Irrigation System and Its Subdivision, David Karmeli and Gideon Oron, IR2: June 79:187:14612
Residential Site Planning and Perceived Densities, Peter G. Flachsbart, UP2:Nov 79:103:14948
Subdivision of Rural Land and Recreational Area Development—Eildon Reservoir, Bruce Kenneth Willersdorf, ASDC:80:150

Subgrades
Design for Railroad Ballast and Subgrade Support, Gerald Patrick Raymond, GT1:Jan 78:45:13471

Submarine Pipelines
Burial Design Criteria for Tidal River and Inlet Crossings, Donald Steven Graham and Ashish J. Mehta, Preprint No.80-033, Apr 80, 20pp.

Submerged Flow
Air Retained in Pool by Plunging Water Jet, Eamon J. McKeogh and Elsayed M. Elsawy, HY10:Oct 80: 1577:15742
Localized Scour Below Submerged Vertical Gates, Hilmi Dogan Altinbilek and Yakup Basmaci, HYCO:Aug 80:39
Near Field Mixing of Staged Diffuser, Joseph H.W. Lee, HY8:Aug 80:1309:15654
Submerged Radial Hydraulic Jump, John A. McCorquodale and Abdelkawi M. Khalifa, HY3: Mar 80:355:15250

Submerged Vegetation Stage
Submersed Aquatic Vegetation in the Tidal Potomac, Virginia Carter, James E. Paschal, Jr. and G. Michael Haramis, CZ80:Nov 80:1537

Submerging
Settlements of Immersed Tunnels, Birger Schmidt and Walter C. Grantz, GT9:Sept 79:1031:14811

Subsidence
Case Histories of Harbor Developments in Weak Soils, William Enkeboll and Vernon A. Smoots, WW4:Nov 80:429:15832
Effects of Subsidence on Stream Hydraulics, Christopher B. Amandes, HYUS:June 80:414
Future Activities in Engineering Surveying, Joseph P. Burns, SU1:Nov 79:11:14950
Remote Sensing and Mine Subsidence, Orville R. Russell, Roger V. Amato and Thomas V. Leshendok, TE2:Mar 79:185:14467
Subsidence—A Geological Problem with a Political Solution, Ann E. Seltz-Petrash, CE:May 80:60
Tolerable Settlement of Buildings, Harvey E. Wahls, Preprint No.80-551, Oct 80, 14pp.

Subsonic Characteristics
Reflection and Refraction at Subsonic Velocities, Thambirajah Balendra, EM4:Aug 80:819:15646

Substitutes
Fairness Considerations and Alternative Policies, J. Jeffrey Peirce, Erhard F. Joeres and Martin H. David, WR1:Mar 80:81:15246

Substructures
Constitutive Relations and Solution Schemes in Plastic Analysis, Subhash C. Anand, EM1:Feb 80: 21:15188
Foundation Impedance Matrices by Substructure Deletion, Gautam Dasgupta, EM3:June 80:517: 15491
Substructure Construction Methods — I-205 Columbia River Bridge, Robert B. Bittner, Preprint No.80-027, Apr 80, 22pp.

Subsurface Drainage
Combination Surface-Subsurface Drainage System for Humid Regions, R. Wayne Skaggs, IR4:Dec 80:265: 15883
Drain Construction on The Columbia Basin Project, Richard Jack Christopher and Keith Campbell, IRKA:July 80:280
Tile Drainage of Irrigated Till Soils in Alberta, B. A. Paterson and D. Brook Harker, IRKA:July 80:263

Subsurface Drains
Drain Construction on The Columbia Basin Project, Richard Jack Christopher and Keith Campbell, IRKA:July 80:280
Laboratory Tests of Gravel Envelope Flow Resistance, E. R. Zeigler and Ray J. Winger, IRKA:July 80:166

Subsurface Exploration
Minimizing Risks and Mitigating Losses — B, David G. Hammond, CRLS:Jan 79:I-133
Summary Session—A, Walter S. Douglas, CRLS:Jan 79:II-173

Subsurface Flow
A Baseflow Simulation Model, Susan E. Hogg, Anton G. Thompson and W. David Striffler, IRKB:July 80:755
Hydrologic Simulation of the Effects of Forest Removal, D. S. Chanasyk and Jacobus P. Verschuren, IRKB:July 80:452
Reservoir-Aquifer Interaction, Zachary M. Kasomekera and James N. Luthin, IRKA:July 80: 120

Subsurface Investigations
Allocation of Risks—A, M. G. Johnson, CRLS:Jan 79:II-53
Minimizing Risks and Mitigating Losses—D, John A. McWhorter, CRLS:Jan 79:II-158
Subsurface Coal Refuse Bank Fire Delineation, Ronald W. Stingelin, ASDC:80:268
A Systematic Approach to Landfill Evaluation, D. Randy Junkins and Michael H. Corbin, EE80:July 80:50

Subsurface Structures
Computer Analysis of Newtown Creek Culvert, Ching S. Chang, Julio M. Espinoza and Ernest T. Selig, GT5:May 80:531:15438
Cut and Cover Construction on Unstable Slopes, Elias Sotiropoulos and Spyros Cavounidis, CO4: Dec 80:585:15890
Jacked Pipe Provides Roof for Underground Construction in Busy Urban Area, G. Musso, CE: Nov 79:79
Measured Performance of Newtown Creek Culvert, Ernest T. Selig, Charles W. Lockhart and Richard W. Lautensleger, GT9:Sept 79:1067:14850
Size Effect in Damping Caused by Water Submersion, Richard G. Dong, ST5:May 79:847: 14581

Subway Railways
Some Ideas for Reducing Subway Construction Costs, Thomas D. O'Rourke, CE:Nov 80:41

Subways
Control of Construction Noise, Stan Potter and A. Paolillo, EE80:July 80:421
Control of Noise and Vibration in Buildings Near Subways, A. Paolillo and H. Podolsky, EE80:July 80:414
First Line of Atlanta's New Transit System Opens, CE:July 79:77
IRT — New York City's First Subway, Larry D. Lankton, CE:Nov 79:71
Jacked Pipe Provides Roof for Underground Construction in Busy Urban Area, G. Musso, CE: Nov 79:79
Management; Continuing Education; Minority Business Enterprise, CE:Jan 80:95
A Quantitative Method for Analyzing the Allocation of Risks in Underground Construction, Raymond E. Levitt, CRLS:Jan 79:II-201
Reducing Costs in Urban Transportation Construction, John W. Fondahl, Boyd C. Paulson, Jr. and Henry W. Parker, CO1:Mar 79:51:14406
Subway Construction Costs: The Role of the Engineer, Robert S. O'Neil, CO4:Dec 80:447:15916

Subway Designs and Construction Methods That Cut Costs, James A. Birkmyer, CE:Oct 78:62
Washington METRO: A People's Eye View, Ann E. Seltz-Petrash, CE:June 79:59

Subway Tunnels
Numerical Analysis of Underground Structures, Charles W. Schwartz, CP80:June 80:217
Subway Designs and Construction Methods That Cut Costs, James A. Birkmyer, CE:Oct 78:62

Suction
Characterization of Expansive Soils Using Soil Suction Data, Donald R. Snethen, SLS:June 80:54
Keynote Address, Spencer J. Buchanan, SLS:June 80: 661
The Prediction of Total Heave, D. G. Fredlund, J. U. Hasan and H. L. Filson, SLS:June 80:1
Shear Strength and Swelling of Clays Under Suction, Amos Komornik, Moshe Livneh and S. Smucha, SLS:June 80:206
A Simple Method to Characterize Watershed Soils, James W. Naney and Lajpat R. Ahuja, IRKB:July 80:731
Suction Controlled Penetration and Shear Tests, Ventura Escario, SLS:June 80:781

Sulfates
Meteorological Impacts on Urban Sulfate Levels, William A. Turner and Constantine J. Gregory, EE2:Apr 80:311:15348
Organics Removal by Ion Exchange-Process Design, Christine Ann Macko and Walter J. Maier, EE80: July 80:394

Sulfur
Sulfur: Potential Pavement Binder of the Future, Gerald D. Love, TE5:Sept 79:525:14835
Sulphur Asphalt Field Trials in Texas, Bob M. Gallaway and Fred J. Benson, MGC:July 80:366

Sulfur Dioxide
Landfill Management for Double Alkali Sulfur Dioxide Scrubber Sludge, Raymond J. Krizek, EY2: Aug 79:229:14742

Sulfur Oxides
Environmental Aspects of Utility AFBC Design, Robert E. Curtis and P. Stanley Dzierlenga, EY2: Oct 80:131:15739

Sumps
Pumping Station Sump Design Research, John L. Grace, Jr. and Glenn R. Triplett, Preprint No.80-641, Oct 80, 10pp.
Specific Model Studies of Pumping Station Sumps, Bobby P. Fletcher and John L. Grace, Jr., Preprint No.80-640, Oct 80, 14pp.

Supercritical Flow
Simulation of Transient Supercritical Channel Flow, Jerome J. Zovne and C. Samuel Martin, HY7:July 79:859:14708
Supercritical Flow in Bends of Trapezoidal Section, Charles W. Lenau, EM1:Feb 79:43:14369
Undular Hydraulic Jump, V. Mandrup Andersen, TN: HY8:Aug 78:1185:13916

Supervision
Engineering Management Education—An Overview, Walter G. Heintzleman and Anthony M. DiGioia, Jr., EI2:Apr 80:73:15350

Supplemental Irrigation
Modeling supplement Irrigation Water Demand, J. David Dean, IR4:Dec 80:285:15897

Supply
Pivot Point Modeling Procedures in Demand Estimation, Ashok Kumar, TE6:Nov 80:647:15809

Supports
Buckling of Bars with Variably Positioned Supports, Raymond Parnes, TN: EM2:Apr 80:411:15303

Suppressors
Expanded Polystyrene Spheres as Evaporation Suppressors, Tariq A. Mahmoud and Natiq K. Bashi, IR3:Sept 80:163:15689

Surcharge
Lateral Pressure Development Under Surcharges, R. P. Joshi and R. K. Katti, SLS:June 80:227

Surface Defects
Stable Growth of Surface Cracks, George C. Sih and Bruce V. Kiefer, EM2:Apr 80:245:15346

Surface Drainage
Adaptation of ILLUDAS for Continuous Simulation, Harry G. Wenzel, Jr. and Michael L. Voorhees, HY11:Nov 80:1795:15840
Combination Surface-Subsurface Drainage System for Humid Regions, R. Wayne Skaggs, IR4:Dec 80:265: 15883
Turbulence Measurements in Simulated Tidal Flow, Habib O. Anwar and Roy Atkins, HY8:Aug 80: 1273:15609

Surface Energy
Influence of Notch Dimensions on the Effective Surface Energy and Notch-Sensitivity of Cement Compounds, Shan Somayaji, FIC:Oct 80:36

Surface Irrigation
Border-Irrigation Hydraulics with Zero Inertia, Theodor Strelkoff and Nikolaos D. Katopodes, IR3: Sept 77:325:13189
Dimensionless Advance for Level-Basin Irrigation, Albert J. Clemmens and Theodor Strelkoff, IR3: Sept 79:259:14820
Dimensionless Solutions of Border-Irrigation Advance, Nikolaos D. Katopodes and Theodor Strelkoff, IR4:Dec 77:401:13400
Mathematical Model of Border Irrigation, David W. Fonken, Thomas Carmody, Emmett M. Laursen and Delmar D. Fangmeier, IR3:Sept 80:203:15694
Possible Energy Savings in Irrigation, James R. Gilley and Darrell G. Watts, IR4:Dec 77:445:13416

Surface Mining
Coal Mine Reclamation with Native Plants, Lee E. Eddleman, IRKB:July 80:80
Design for Erosion Loss Studies on Disturbed Lands, W. Russell Hamon and James V. Bonta, IRKB:July 80:27
Digital Terrain Models in Civil Engineering Design, Robert N. Eli and Ronald W. Eck, CP80:June 80: 122
An Engineering Company's Role in the Environmental Aspects of Surface Mining, William W. Schivley, Preprint No.80-022, Apr 80, 6pp.
Hydrologic Considerations in Federal Coal Leasing, Bruce Van Haveren, IRKB:July 80:655
Hydrologic Transport Model for Surface Mined Lands (Abstract), Mark E. Auernhamer, IRKB:July 80:911
Phosphate Mining in Southeast Idaho, Edward B. Connors, IRKB:July 80:867
Predicting Sediment Yield from Strip-Mined Land, Martin M. Fogel, Louis H. Hekman, Jr. and Lucien Duckstein, IRKB:July 80:176
Predicting the Spatial Variation in Erosion, William O. Rasmussen, John L. Thames and Peter F. Ffolliott, IRKB:July 80:781
Regulations Complicate Land Reclamation in the West, Ann E. Seltz-Petrash, CE:Sept 80:85
Snow-Erosion Relationships on Mine Waste Dumps, Myron Molnau and Edward Chacho, IRKB:July 80: 877
State-Federal Relations Under the Surface Mining Control and Reclamation Act of 1977, William C. Ackerman, Preprint No.80-059, Apr 80, 18pp.
Surface-Mining Legislation and Regulation, Jerome P. Harper, EE1:Feb 80:145:15170

Surface Properties
Surface Dispersion in Wave Flume, Aysen Ergin, WW4:Nov 80:449:15854

Surface Roughness
$20 Million for Billet Grinding Eliminates Waste, CE:June 79:64

Surface Runoff
Analysis of Combined Rainfall-Hurricane Surge Frequencies, M. Aziz Tayfun and Jerry L. Machemehl, HYUS:June 80:15
Approximate BOD Treatment Requirements for Urban Runoff, Udai P. Singh, Ronald L. Wycoff and Gregory L. Tate, EE1:Feb 79:3:14360
Biological Contamination of Finished Water Reservoirs, J. Sykora, Maurice A. Shapiro and G. Keleti, EE80:July 80:267
Coastal Plains Unit Hydrograph Studies, Donald E. Woodward, Paul I. Welle and Helen Fox Moody, HYUS:June 80:99
Conserving Energy with Low-Pressure Center Pivots, James R. Gilley and Lloyd B. Mielke, IR1:Mar 80: 49:15292
Groundwater Response during Runoff Events, Michael G. Sklash and Robert N. Farvolden, IRKB: July 80:743
Hydrologic Effects of a Severe Forest Fire, J. D. Cheng, IRKB:July 80:240
Landsat Imagery for Hydrologic Modeling?, Richard S. Taylor, Robert P. Shubinski and T. S. George, AS80:Aug 80:44
Location of Cross-Drainage Structures on Channels, John Russell Tregear, ASDC:80:137
Mitigating Runoff Pollution Into South Shore Bays of Long Island, New York, Kevin J. Phillips, Vito Minei, Thomas Maher and Philip A. Haderer, HYUS:June 80:228
Modeling Rill Density, Ruh-Ming Li, Victor Miguel Ponce and Daryl B. Simons, TN: IR1:Mar 80:63: 15230
Modeling Sediment Filtration by Vegetative Filters, Billy J. Barfield and J. C. Hayes, IRKB:July 80:98
New Approach to Storm Drainage Pipe Design, Gary Lockwood, CE:Mar 80:59
Nonpoint Pollution from Agricultural Watersheds, James A. Ayars, John C. Inman and Gwendolyn McClung, IRKB:July 80:974
A Note on Joint Probability of Surge and Rainfall, Fei Fan Yeh, HYUS:June 80:1
Origin and Evolution of the SCS Runoff Equation, Robert E. Rallison, IRKB:July 80:912
Parking Lot Impact on Water Quality, Peter E. Black, IRKB:July 80:541
Range Treatment Effects on Infiltration Rates, John M. Tromble, IRKB:July 80:802
Reducing Salinity of Surface Runoff from Rangeland, R. Gordon Bentley, Eric B. Janes and Keith O. Eggleston, IRKB:July 80:69
Sediment Transport in a Pool-Riffle Stream, James Milligan, Edward Chacho and Myron Molnau, IRKB:July 80:430
A Simple Lumped-Parameter Runoff-Quality Model, William M. Alley, HYUS:June 80:236
Stormwater Detention Basin Sizing, Kit R. Burton, TN: HY3:Mar 80:437:15229
Stormwater Management In Coastal North Carolina, Neil S. Grigg, Alfred M. Duda and John Morris, HYUS:June 80:33
Urbanization Impact on Streamflow, Leo R. Beard and Shin Chang, HY6:June 79:647:14623
Use of a Simplified Surface Runoff Model, William G. Smith, HYUS:June 80:173
Water Supply Forecasting in California - 1976-78, Charles H. Howard, EFHYF:Mar 79:285

Surface Temperature
Aerial Infrared Sensing Systems and Techniques, Fred A. Schmer and Darrell R. Hause, ASDC:80: 244
Surface Temperature Mapping by NOAA-5 Satellite, Siamak Khorram and H. Gregory Smith, ASDC:80: 286

Surface Waters
Ground and Surface Water Interaction—Legal Aspects, William E. Kelly, WR1:Mar 80:55:15234
Ground-Water Surface-Water Conflicts, Morton W. Bittinger, WR2:July 80:467:15567
Numerical Simulation of Turbulent Stratified Flows in Surface Water Impoundments, Angelos N. Findikakis and Robert L. Street, HYCO:Aug 80: 249
Surface Water Inventory through Satellite Sensing, Srinivasan Thiruvengadachari, Pavuluri Subba Rao and Keshavamurthi Ramachandra Rao, WR2:July 80:493:15563

Surface Waves
Shear and Rayleigh Waves in Soil Dynamics, George C. Gazetas and Mishac K. Yegian, GT12:Dec 79: 1455:15053

Surge
Dependency of Astronomic Tide and Hurricane Surge, Richard A. Schmalz, Jr., HYUS:June 80:7
Design Charts for Air Chamber on Pump Pipe Lines, Alan T.K. Fok, HY9:Sept 78:1289:14024
A Note on Joint Probability of Surge and Rainfall, Fei Fan Yeh, HYUS:June 80:1

Surges
Coastal Flooding in Metropolitan New York: A Case Study, Robert S. Taylor, Sue Ann Hanson and Stergios A. Dendrou, HYUS:June 80:316
Coastal Flooding of Tidal Estuaries, Shing S.T. Schluchter and M. Teubner, HYUS:June 80:275
Finite Element Model for Hurricane Surge and Coastal Flooding, Jing Song Wei, Hsuan S. Chen and Jerry L. Machemehl, HYUS:June 80:205
Inland Routing of Hurricane Surges in Wetlands, Armando I. Perez, Robert Laura, John D. Wang and Bernard LeMehaute, HYUS:June 80:347
Mathematical Model for Evaluating Extra-Ordinary Tide in Coastal Zone During Typhoon, Frederick L.W. Tang, Chuen Sheng Yang and Shing S.T. Schluchter, HYUS:June 80:215
A Numerical Surge Model with Moving-Boundary Treatment, Michael H. Chen, David J. Divoky and Li San Hwang, HYUS:June 80:195
Transient Propagation in Slurries with Hold-Up, A. R.D. Thorley, HY8:Aug 80:1353:15641

Surge Tanks
Unsteady Flows in Water Distribution Systems, Suha Sevuk, HYCO:Aug 80:228

Surge Waves
Surging in the Shark River Boat Basin, J. Richard Weggel and Robert M. Sorensen, PO80:May 80: 640

Surveillance
Post-Tensioning System Surveillance Program, George E. Drew, ST2:Feb 79:347:14383

Surveying
Coastal Mapping Handbook, James Collins, SU1:Nov 80:23:15814
Federal Roles and Responsibilities In a Modernized Land Data System, Bernard W. Hostrop, SU80: June 80:27
Location of Cross-Drainage Structures on Channels, John Russell Tregear, ASDC:80:137
Mapping and Surveying Florida's Submerged Lands, George M. Cole, CZ80:Nov 80:549
NAD as it Affects the Survey Engineer, J. E. Colcord, Preprint No.80-073, Apr 80, 11pp.
A New Manual on Map Uses, Scales, and Accuracies, Carl B. Feldscher, SU1:Nov 80:143: 15853
Photobathymetry, James Collins, ASDC:80:82
Planning and Engineering Requirements For A Land Data System, Gunther Greulich, SU80:June 80:42
Portland District's Experience with Inertial Survey, Roger J. Campbell, Preprint No.80-028, Apr 80, 11pp.
Retracement Surveys in the Pacific Northwest Coast Range, Gordon H. Long, Preprint No.80-070, Apr 80, 15pp.

Survey Control for I-205 Columbia River Bridge, John D. Howard, Preprint No.80-058, Apr 80, 14pp.
Surveying Takes Another Giant Step Forward, Eugene E. Dallaire, CE:Feb 79:60
A Survey of Cadd in Engineering Practice (Abstract), Richard L. Bland, CP80:June 80:15
Three-Dimensional Densification for Local Control, Narendra K. Saxena and Alan P. Vonderohe, SU1: Nov 78:63:14129
Water Resources; Surveying, CE:Jan 80:93
Wetland Surveying and Mapping, Carvel H. Blair, SU1:Nov 79:23:14953

Surveying Instruments
Monitoring Large Structures by Precise Survey, Kenneth D. Robertson, ASDC:80:277

Surveys
Airborne Laser Acquisition of Cross-Section Data, John G. Collins and William B. Krabill, AS80:Aug 80:175
Future Activities in Engineering Surveying, Joseph P. Burns, SU1:Nov 79:11:14950
Inventories, Surveys and Historic Preservation, Paul John Hartman, Preprint No.80674, Oct 80, 6pp.
Pavement Rehabilitation: Identifying the Need, Michael I. Darter and Mohamed Y. Shahin, TE1: Jan 80:1:15135
Pipelines—Positioning and Survey Problems, Stanley W. Hole, SU1:Nov 79:15:14951
Thermographic Applications for Plant and Building Engineers, Henry H. Schmalz, AS80:Aug 80:131

Surveys (Data Collection)
Assessing Nonpoint Water Quality for Small Streams, Michael E. Meadows, Dennis W. Weeter and James M. Green, EE6:Dec 78:1119:14232
Basics in Failure Analysis of Large Structures, Richard Roberts and Alan W. Pense, CE:May 80: 64
Bridge Appearance, Colin O'Connor, Michael D. Burgess, Michael J. Egan and John L. Olsen, ST1: Jan 80:331:15107
Columbia River Operational Hydromet Management System (CROHMS), Douglas D. Speers, ASDC:80: 337
Computers in Engineering Organization Management, F. Lawrence Bennett, EI3:July 79: 147:14714
Control of Noise of Rapid Transit Cars, A. Paolillo and W. A. Jehle, EE80:July 80:406
Current Equipment Practices of Utility Contractors, Jimmie Hinze and W. Bradford Ashton, CO3:Sept 79:225:14816
Energy Loss Surveys Using Thermal IR Technology, Lewis E. Link, Jr., ASDC:80:259
Environmental Data Collection Via the Global Meteorological Satellite System for Water Management and Control, Warren L. Sharp, ASDC:80:316
Hydraulic Features from River Flood Photography, A. B. Long, ASDC:80:76
Hydrologic Telemetry from Remote Areas, Robert A. Halliday, ASDC:80:329
Improving the Effectiveness of Engineering Organizations, Melville D. Hensey and Kenneth Gibble, EI1:Jan 80:21:15156
Professional Development in Iowa: 1979 Surveys, Robert D. Reckert, Preprint No.80-002, Apr 80, 13pp.
Remote Sensing for Water Resource Surveys, R. H. Kinsey, ASDC:80:55
The San Diego Regional Coastal Access Study, Dennis A. Prescott, CZ80:Nov 80:1662
Satellite Data Collection Platforms in River and Flood Forecasting, Allen F. Flanders and J. W. Schiesl, ASDC:80:300
Small-Scale Hydro Plants in Irrigation Systems, Calvin C. Warnick, IRKA:July 80:216
Statistical Reliability of Ambient Noise Surveys, Daniel A. Driscoll and William J. Webster, EE80: July 80:399
Submersed Aquatic Vegetation in the Tidal Potomac, Virginia Carter, James E. Paschal, Jr. and G. Michael Haramis, CZ80:Nov 80:1537
Trip-Based Analysis of Auto Emissions, Greig Harvey, CAAA:Nov 79:225
The USGS Centennial: From Mining to Mapping the Moon, Mary Rabbitt and Virginia Fairweather, CE: Feb 79:68
Voter Reaction to Multiple-Use Drainage Projects, Thomas N. Debo and James T. Williams, WR2:Sept 79:295:14843
Wetlands Regulations and Public Perceptions, Thomas M. Leschine and Stephen R. Cassella, CZ80:Nov 80:1789
What the Construction Industries Think of Metrication?, A. Fattah Chalabi and Frank E. Vanzler, Preprint No.80-513, Oct 80, 13pp.
1979 ASCE Salary Survey, Oscar R. George, Chmn., EI3:July 80:275:15568

Suspended Load
Mississippi River Shoaling: A Diagnostic Study, Tatsuaki Nakato, Richard M. Baker and John F. Kennedy, HY11:Nov 79:1375:14978
Natural Fluctuations of Water Quality in a Headwater Stream, Joe F. Nix, EFHYF:Mar 79:391
Snowmelt Sediment from Sierra Nevada Headwaters, Clarence M. Skau, John C. Brown and John A. Nadolski, IRKB:July 80:418
Time Series Modeling of Chicago Particulates, William D. O'Neill, EE5:Oct 79:855:14887

Suspended Sediments
Alaska Water Quality Standards and BMPs, John D. Stednick, IRKB:July 80:721
Collapsible-Bag Suspended-Sediment Sampler, Herbert H. Stevens, Jr., Gale A. Lutz and David W. Hubbell, TN: HY4:Apr 80:611:15305
Dynamic Estimation of Settling Basin Performance, Sadataka Shiba, Yoriteru Inoue and Yasuyo Ueda, EE6:Dec 79:1113:15045
Natural Fluctuations of Water Quality in a Headwater Stream, Joe F. Nix, EFHYF:Mar 79:391
Open Channel Flow with Suspended Sediments, Tadaoki Itakura and Tsutomu Kishi, HY8:Aug 80: 1325:15650
Particle Size Distribution Effects on Turbidity, Thomas Arthur Holstrom and Richard H. Hawkins, IRKB:July 80:283
Secondary Treatment Alternatives: Suspended Growth, Gordon L. Culp, Chmn., EE2:Apr 79:283: 14528
Sediment Characteristics of the Tongue River Basin, Thomas J. Osborne and Charles B. Andrews, IRKB: July 80:114
Sediments Suspended in Stream Flow, Sergei M. Antsyferov and Ruben D. Kos'yan, HY2:Feb 80: 313:15216
Sediment Suspension in Turbulent Pipe Flow, Sheng T. Hsu, Andre van der Beken, Louis Landweber and John F. Kennedy, HY11:Nov 80:1783:15830
Snowmelt Sediment from Sierra Nevada Headwaters, Clarence M. Skau, John C. Brown and John A. Nadolski, IRKB:July 80:418
Suspended Load from Error-Function Models, Joe C. Willis, HY7:July 79:801:14684
Turbidity and Suspended Sediment Relationships, Robert L. Beschta, IRKB:July 80:271
X-Ray Analysis and Suspended Sediment Source Area, Carlton S. Yee and Annette Parsons, IRKB: July 80:442

Suspended Solids
Chemical Flocculation in Coal Mine Sediment Ponds, John S. Tapp, Billy J. Barfield and Edward G. Foree, IRKB:July 80:615
Engineering Design Variables for the Activated Sludge Process, Lloyd W. Weller, Chmn., EE3:June 80:473:15509
How about Reverse Filters, Chesley J. Posey, CE:Apr 80:78
In-Stream Aeration: A Possible Alternative to AWT?, CE:Mar 80:81

Methodology for Effluent Water Quality Prediction, Bert A. Eichenberger and Kenneth Y. Chen, EE1: Feb 80:197:15212
Modeling Combined Sewer Storage Alternatives, Gregory L. Shahabian, Anthony J. Graham and George E. Kamedulski, EE80:July 80:480
Modeling Suspended Solids and Associated Bacteria in Natural Water Systems, Christopher G. Uchrin and Walter J. Weber, Jr., EE80:July 80:160
Nonpoint Source Loads and Impacts to a Water Supply Reservoir, Charles J. Newell and Philip B. Bedient, EE80:July 80:364
Oxygen Transfer Standard—Basin Geometry and Mixing (Abstract), Thomas C. Rooney and Ronald N. Salzman, EE80:July 80:94
Simulation Modeling of Primary Clarifiers, Raymond L. Alarie, Edward A. McBean and Grahame J. Farquhar, EE2:Apr 80:293:15312
Sources of Pollution from Agricultural Drainage, Reginald E. Merrill, Ronald M. Van De Pol and Walter E. Ryley, IR2:June 79:137:14605
TEACUP Pretreatment of Wastewaters, George E. Wilson, EE80:July 80:651

Suspension
Applicability of Kynch Theory to Flocculent Suspensions, Byong S. Shin and Richard I. Dick, EE3:June 80:505:15461
Total Load of Bed Materials in Open Channels, Hideo Kikkawa and Tadaharu Ishikawa, HY7:July 78:1045:13895

Swamps
Computer Modeling of the Great Dismal Swamp, Vincent M. Caruso and James E. Paschal, Jr., CZ80:Nov 80:2308
Highway Embankment Doubles as Dam, Shiwendra P. Singh, CE:Apr 79:80
Quality in a Florida 1°, 2° and 3° Stream System, Charles M. Courtney, HYUS:June 80:359

Sweden
Faults in Swedish and American Tunnel Practice: A Fable, Thomas R. Kuesel, CE:Jan 79:74
Modifications and Thermal Corrections for Stress and Displacement Instrumentation — Stripa, Sweden, M. Board, P. Nelson, T. Schrauf, A. Dubois, R. Lingle and H. Pratt, Preprint No.80-167, Apr 80, 18pp.

Swelling
The Concepts Defining the Rate of Swell of Expansive Soils, P. W. Mitchell, SLS:June 80:106
Construction on Expansive Rock, K. L. Logani, SLS: June 80:496
Deep Vertical Fabric Moisture Seals, Malcolm L. Steinberg, SLS:June 80:383
Effects of Pore Fluid on the Swelling of Clay-Shale, N. R. Morgenstern and B. I. Balasubramonian, SLS: June 80:190
Field Test Sections on Expansive Soils, Lawrence D. Johnson, SLS:June 80:262
A Foundation Code for Expansive Soil Conditions, Joseph G. Zeitlen and Amos Komornik, SLS:June 80:609
Instruments for Laboratory and In Situ Measurement of the Lateral Swelling Pressure of Expansive Clays, Z. Ofer, SLS:June 80:45
Minimizing Foundation Swell Potential in Yazoo Clay, James E. Laier and Joseph H. Lamar, SLS: June 80:421
Pile Foundations in Swelling Soils, E. A. Sorochan, SLS:June 80:845
Relationships and Variations of Properties of Clay, Thomas M. Petry and J. Clyde Armstrong, SLS: June 80:172
Stable Embedment Depth of Piles in Swelling Clay, D. David and A. Komornik, SLS:June 80:798
Strain Controlled Testing of Expansive Soils, Andrew A. Porter and John D. Nelson, SLS:June 80:34
Stressed-Strained State of Expansive Soil Massifs, N. A. Tsytovich, Z. G. Ter-Martirosyan and G. Ya. Karapetov, SLS:June 80:866
The Structural Analysis of Footings on Expansive Soil, P. W. Mitchell, SLS:June 80:438
Suction Controlled Penetration and Shear Tests, Ventura Escario, SLS:June 80:781

Swelling Pressure
Construction and Design of Light Structures in Peru, A. Carrillo-Gil, SLS:June 80:469
Deep Vertical Fabric Moisture Seals, Malcolm L. Steinberg, SLS:June 80:383
Design and Construction of Short Piles for Expansive Soils in Coro, Venezuela, Leopoldo Garcia-Iturbe and Jorge Martinez, SLS:June 80:850
Effects of Pore Fluid on the Swelling of Clay-Shale, N. R. Morgenstern and B. I. Balasubramonian, SLS: June 80:190
Field Test Sections on Expansive Soils, Lawrence D. Johnson, SLS:June 80:262
Instruments for Laboratory and In Situ Measurement of the Lateral Swelling Pressure of Expansive Clays, Z. Ofer, SLS:June 80:45
Lateral Pressure Development Under Surcharges, R. P. Joshi and R. K. Katti, SLS:June 80:227
New Cell For Study of Swelling Soils, Gerard Didier, Richard Kastner and Yvan Bourdeau, SLS:June 80: 18
Prediction of Expansive Clay Behaviour, Silvan Andrei, Corneliu Athanasiu and Sanda Manea, SLS:June 80:76
Relationships and Variations of Properties of Clay, Thomas M. Petry and J. Clyde Armstrong, SLS: June 80:172
Significance of Particle Size Distribution Similarity in Prediction of Swell Properties, R. Rama Rao and P. Smart, SLS:June 80:96
Stable Embedment Depth of Piles in Swelling Clay, D. David and A. Komornik, SLS:June 80:798

Swine
Low Temperature Anaerobic Digestion of Swine Manure, Mark A. Stevens and Dennis D. Schulte, EE1:Feb 79:33:14340

Switzerland
Time-Dependent Stochastic Model of Floods, Michel North, HY5:May 80:649:15405

Symbols
Map Content and Symbols: Chapter V of Proposed Manual on Map Uses, Scales, and Accuracies for Engineering and Associated Purposes, Robert P. Jacober, Jr., SU1:Nov 80:41:15851
A New Manual on Map Uses, Scales, and Accuracies, Carl B. Feldscher, SU1:Nov 80:143: 15853
A Standard for Symbology on Engineering Scale Maps, Robert P. Jacober, Jr., Preprint No.80-060, Apr 80, 8pp.

Symmetry
Buckling Properties of Monosymmetric I-Beams, Sritawat Kitipornchai and Nicholas S. Trahair, ST5: May 80:941:15406

Synthesis
Birth of the Synthetic Fuels Industry, Eugene E. Dallaire, CE:July 80:49
Primal and Dual Methods in Structural Optimization, C. Fleury and Lucien A. Schmit, ST5:May 80:1117: 15431
Synfuel Facilities: Environmental Control Strategies, Warren H. Chesner and Howard Wiseman, EE80: July 80:504

Synthetic Fibers
Research Analysis of Plastic Filters, Phillip M. Demery, IRKA:July 80:398

Synthetic Hydrology
Synthetic Hydrologic Information - A Case Study, Krishan P. Singh, HY10:Oct 79:1257:14922

Synthetic Natural Gas
Biological Treatment of Synthetic Fuel Wastewater, Richard G. Luthy, Deborah J. Sekel and James T. Tallon, EE3:June 80:609:15459
Birth of the Synthetic Fuels Industry, Eugene E. Dallaire, CE:July 80:49

Synthetic Textiles
The Use of Synthetic Fabrics in Coastal Dune Stabilization, Donald K. Stauble, CZ80:Nov 80: 2190

Systems
Hybrid Modeling Of Seismic Soil-Structure Interaction, Sunil Gupta and Joseph Penzien, EM81:Jan 81:201
System Identification: Review And Examples, Ken Blakely, Paul Ibanez, Shelley Griffith, Bob Cooper and John Stoessel, EM81:Jan 81:846

Systems Analysis
Identification Of A Class Nonlinear Dynamic Systems, Sami F. Masri, George A. Bekey, Hassan Sassi and Thomas K. Caughey, EM81:Jan 81:794
Water Resource Systems Planning in U.S.A.:1776-1976, Stephen J. Burges, WR1:Mar 79:91:14417

Systems Engineering
Concreting and Formwork Logistics and Optimization, Marvin Gates and Amerigo Scarpa, CO2:June 78:219:13842
Construction Cost Estimating in the Design Process, George S. Birrell, CO4:Dec 80:551:15880
Data Bases for Information Management, William L. Howard, CP80:June 80:638
Design of Length of Water Resource Simulation Experiments, Guillermo J. Vicens and John C. Schaake,, Jr., WR1:Mar 80:333:15280
Flow Optimization on a Transportation Network, William J. Dunlay, Jr. and Nicolau D.F. Gualda, TE1:Jan 79:41:14285
Integrated Port Design and Planning Process, Martin T. Czerniak, Arthur Rubinstein and J. Ian Collins, PO80:May 80:440
Manpower Management - A Data Base Application, Edward W. Fishback, Jr., CP80:June 80:651
Matrix Management May Meet Your Needs for the 80s, Robert J. Cardinal, EI1:Jan 80:27:15157
Mechanical-Structural Interface in Building Design, Tseng-Yao Sun, ST3:Mar 79:539:14447
Michigan's System for Improved Highway Safety, Donald E. Orne, HW80:Mar 80:19
Mooring System Management, John Mascenik and Richard B. Harley, PO80:May 80:763
Optimal Design of Water Conveyance Systems, Quentin W. Martin, HY9:Sept 80:1415:15672
Plan Better Irrigation Systems With IMS Techniques, Gordon LyFord and Monte McVay, IRKA:July 80: 243
Reliability of Active Parallel Systems, Mircea Grigoriu, EY2:Aug 79:199:14740
Simulation of Construction Operations, Leland S. Riggs, TC1:Aug 80:145:15628
Stochastic Approach to Waste Treatment Planning, Roger D. Hansen, A. Bruce Bishop and Rangesan Narayanan, WR1:Mar 80:275:15265
System for Material Movement to Work Areas, Roland M. Parsons and John D. Pachuta, CO1:Mar 80:55:15267
Water Management Improves with Systems Application, Linus B. Losh, CE:Aug 79:54

Systems Management
Airports of Micronesia - Airline Considerations, Clifford T. Argue, MGC:July 80:34
An Analysis of Areawide TSM/Air Quality Actions, Tom K. Ryden and Stephen M. Howe, CAAA:Nov 79:169
Including Air Quality in Transportation Decisions, John J. Roark, CAAA:Nov 79:37
Physical-Economic Evaluation of Tillage Systems, Daniel Taylor, Douglas Young and Donald McCool, IRKB:July 80:985
Water Resource Systems Planning in U.S.A.:1776-1976, Stephen J. Burges, WR1:Mar 79:91:14417

Tailings
Unsaturated Flow Beneath Tailings Impoundments, David B. McWhorter and John D. Nelson, GT11: Nov 79:1317:14999

Tailwater
Flow Routing in Tailwater Streams, Michael G. Ferrick, HYCO:Aug 80:192

Taiwan
Probabilistic Water Quality Control Policies, B. N. Lohani and N. C. Thanh, EE4:Aug 79:713:14761
Traffic Conflict Technique in Tainan, Taiwan, James Yao-Ching Chang, TE1:Jan 80:99:15153

Takeoff
Computerized Construction Quantity Record Keeping, Elias C. Tonias, TC2:Dec 79:291:15074

Tall Buildings
Anti-Earthquake Application Of Pulse Generators, Sami F. Masri, George A. Bekey, Frederick B. Safford and Tejav J. dehghanyar, EM81:Jan 81:87
An Application of Eccentric Bracing in a Tall Building, Andrew T. Merovich, Joseph P. Nicoletti and Earl Hartle, Preprint No.80-592, Oct 80, 14pp.
Approximate Stiffness Analysis of High-Rise Buildings, Ali A.K. Haris, ST4:Apr 78:681:13700
Aseismic 00320001 B_m d 28 Design Of A 31-Story Frame-Wall Building, Mark Fintel and S. K. Ghosh, EM81:Jan 81:874
Automated Design of Multistory Frame Structures, Stan W. Zagajeski and M. D. Wunder, CP80:June 80:203
Behavior of Type 2 Steel Frames, Michael H. Ackroyd and Kurt H. Gerstle, Preprint No.80-179, Apr 80, 30pp.
Coordinating Tall Building Development, Leonard I. Ruchelman, UP1:Nov 80:89:15857
Damping Measurements Of Tall Structures, George T. Taoka, EM81:Jan 81:308
Design Seismic Accelerations in Buildings, Robert Smilowitz and Nathan M. Newmark, ST12:Dec 79: 2487:15066
Deterministic Torsional Building Response to Winds, Carlos P. Patrickson and Peretz P. Friedmann, ST12:Dec 79:2621:15084
Dynamic Characteristics of Coupled Shear Walls, Amiya K. Basu, Ashok K. Nagpal, Ravinder S. Bajaj and Ashok K. Guliani, ST8:Aug 79:1637: 14783
Earthquake and Wind Response of a Rehabilitated Multistory Building, Gary C. Hart, Preprint No.80-679, Oct 80, 10pp.
Frame-Wall Systems with Rigidly Jointed Link Beams, Amiya K. Basu and Ashok K. Nagpal, ST5: May 80:1175:15426
High Rise Building Column Design, Jerome S.B. Iffland, ST9:Sept 78:1469:14027
Identification of Wind Force Spectrum, Stepan S. Simonian and Gary C. Hart, EM81:Jan 81:672
Laterally Loaded Flexible Diaphragm Buildings, Avigdor V. Rutenberg, TN: ST9:Sept 80:1969: 15667
Mean Wind Profiles and Change of Terrain Roughness, Jacques Bietry, Christian Sacre and Emil Simiu, ST10:Oct 78:1585:14099
Modal Parameter Estimation For A Highrise Building Using Amibient Response Data Taken During Construction, M. Meyyappa, H. Palsson and J. I. Craig, EM81:Jan 81:141
Natural Frequency of Timoshenko Beam on Flexible Base, Anestis P. Papadopoulos and David M. Trujillo, EM2:Apr 80:307:15311
Orthotropic Membrane for Tall Building Analysis, Kinh H. Ha, Paul P. Fazio and Osama Moselhi, ST9:Sept 78:1495:14033
Pressures on Curtain Wall with External Mullions, Bernard M. Leadon and Michael L. Kownacki, EM4:Aug 79:515:14732

Revised Procedure for Estimating Along-Wind Response, Emil Simiu, ST1:Jan 80:1:15111
Stability Analysis and Design of Concrete Frames, James G. MacGregor and Sven E. Hage, ST10:Oct 77:1953:13280
Strength Interaction Surfaces for Tall Buildings, Bruno Zimmerli and Bruno Thurlimann, ST3:Mar 79:481:14426
Structural Control Using Active Tuned Mass Dampers, James C.H. Chang and Tsu T. Soong, EM6:Dec 80:1091:15882
Tall Building Response to Earthquake Excitations, Jann-Nan Yang, Y. K. Lin and S. Sae-Ung, EM4: Aug 80:801:15642
Top-to-Bottom Construction in High-Rise Buildings, Anthony van Zutphen, CE:Mar 79:65
Use of Acceleration Measurements to Determine Wind Forces on Tall Buildings, Peter R. Sparks, Preprint No.80-056, Apr 80, 13pp.
Vibration Test Of Structures At Varied Amplitudes, Alan P. Jeary and Brian R. Ellis, EM81:Jan 81:281
Wind Loading And Response Of A High-Rise Building, Russell S. Mills and David Williams, EM81:Jan 81:323

Tanker Ships
Alyeska — Crude Loading Port, Ernest W. Brumitt and David G. Dixon, PO80:May 80:218
Bintulu Malaysia LNG Project, Clemence L. Cameron and Samuel P. Lin, PO80:May 80:455
Bridge Pier Protective Systems, R. T. Mancill, Jr. and K. N. Derucher, PO80:May 80:778
Design of Statfjord B Articulated Loading Platform, Marjorie A. Prosuch, PO80:May 80:385
Effect of Dock Resistance on Tanker Mooring Forces, Daryl B. Simons, Yung Hai Chen and Lawrence J. Swenson, HYCO:Aug 80:419
Evaluation of Deepwater Oil Terminals: A Case Study, C. Michael Walton, MGC:July 80:85
Fendering Requirements/Design Fender Impact Criteria, J. S. Balfour, J. C. Feben and D. L. Martin, PO80:May 80:504
The Impact of Hydrocarbon Emission Controls on Marine Design, Joseph G. Zabaga, PO80:May 80: 677
Maritime Risk and Coastal Zone Management, Justus R. Riek, CZ80:Nov 80:575
Oil Pollution Still a Problem for America's Ports, Roy W. Hann, Jr., PO80:May 80:710
Oil Terminal Relocation at Long Beach, California, Charles F. Connors and Michael G. Burke, PO80: May 80:172
Port Capacity Determination and Planning, Ernst G. Frankel and Chang Bin Tang, PO80:May 80:193
Port Reception Facilities and the Coastal Zone, Henry S. Marcus, CZ80:Nov 80:1594
Tugs as Aids to the Safety of Tankers and Ports, James A. Atkinson, PO80:May 80:584

Tanks (Containers)
A Comparison of Circular Prestressing Techniques, Including Values for Friction Over Rollers, Arthur M. James, Preprint No.80-078, Apr 80, 11pp.
Earthquake Sloshing in Annular and Cylindrical Tanks, Mohammad Aslam, William G. Godden and D. Theodore Scalise, EM3:June 79:371:14643
Experimental Seismic Study of Cylindrical Tanks, Ray W. Clough, Akira Niwa and Douglas P. Clough, ST12:Dec 79:2565:15062
Pile-Supported Polygonal Mat Foundation for Circular Tanks, Keith H. Denson, Preprint No.80-010, Apr 80, 9pp.
Refined Theories for Nonhomogeneous Anisotropic Cylindrical Shells: Part II-Aplication, Daryl L. Logan and G. E.O. Widera, EM6:Dec 80:1075: 15934
Seismic Design of Elevated Tanks, Robert S. Wozniak, Preprint No.80-067, Apr 80, 26pp.
Seismic Design of Oil Pipeline Systems, Robert P. Kennedy, Arthur C. Darrow and Stephen A. Short, TC1:Apr 79:119:14505
Settlement Comparison Used in Tank-Failure Study, Roy A. Bell and Jun Iwakiri, GT2:Feb 80:153: 15219
Stress Analysis of Bins by Shell Bending Theory, Sukhvarsh Jerath and Arthur P. Boresi, ST6:June 79:1069:14632
Stresses in Floating Roofs, Howard I. Epstein and John R. Buzek, ST5:May 78:735:13740

Taper
Tapered Steel Beams Loaded within Tip, Gwynne Davies and Satya Narayan Mandal, ST3:Mar 79: 589:14453

Targets
Local Effects of Tornado-Generated Missiles, Anil K. Kar, ST5:May 78:809:13775

Taxation
Diesel Fuel Forecasts in Virginia, Antoine G. Hobeika and Frank Tamberrino, MGC:July 80:172
Improved Local Resource Allocation, Jack L. Jensen, UT79A:July 79:179
Technology Substitution for Air Quality Improvement, E. A. Deakin and H. W. Bruck, CAAA:Nov 79:357

Taxes
Direct Costs of Highway Travel, Kiran U. Bhatt, UT79A:July 79:19
Impact of Federal Highway Policy on County Road Programs, Robert A. Larson, TE1:Jan 79:23:14319
Improved Local Resource Allocation, Jack L. Jensen, UT79A:July 79:179
Pricing and Revenue Yield, William H. Crowell, UT79A:July 79:144
Problems and Options in Financing Urban Transportation, Paul K. Dygert and James M. Holec, UT79A:July 79:220
Tax Policies in Core Area Improvement Program, T. William Patterson and Kumares C. Sinha, UP2:Nov 79:129:14967
Top Highway Problems : Finance and Maintenance, Kneeland A. Godfrey, Jr., CE:Nov 79:59

Teaching Methods and Content
The Personalized System of Instruction: Death Knell for the Lecture?, CE:Mar 79:73

Technicians
Industry Upgrades Technician Training, John P. Bachner, CE:Aug 79:62

Technology
The Role of ASCE in Influencing Public Policy on Controversial Technical Issues, Karen Kirk, EI4:Oct 80:415:15780

Technology Assessment
Effective Water Research Programs, Leo R. Beard, WR2:July 80:409:15530
Fragility of Electrical Power Equipment, Anshel J. Schiff and Donald E. Newsom, TC2:Dec 79:451: 15091
Recent OTA Projects and Progress, Charles W. Wixom and Jeffrey P. Cohn, TC1:Apr 79:97:14487
Selected Areas of Aerospace Technical Applications to Civil Engineering, Allen F. Flanders, Chmn., TE3:May 79:223:14563
Service Quality Implications of Transbus, Steven E. Polzin and Joseph L. Schofer, TE5:Sept 79:561: 14862
Stormwater Quality—First Efforts in Denver, Ben Urbonas and L. Scott Tucker, TC1:Aug 80:53: 15621

Tectonics
Consideration of Seismic Hazards in Lifeline Design, A. H-S. Ang, C080:80:215
A Seismo-Tectonic Study of the Western Narmada Valley Using Landsat Imagery, S. N. Pandey, ASDC:80:171

Telecommunication
Telecommunications After Earthquakes, J. W. Foss and J. D. Scobee, C080:80:134

Telemetry
Advanced Data Collection Technology and Applications - A Task Committee Report (Abstract), Bob Benn and Enrico Mercanti, MGC: July 80:342
Hydrologic Telemetry from Remote Areas, Robert A. Halliday, ASDC:80:329

Telescope Lenses
New Telescope has Innovative Structural Design, CE: June 80:76

Temperate
Optimizing Cooling Policy for System Power Plant, Leighton Lum and Larry W. Mays, EY1:Jan 79: 137:14334

Temperature
Accuracy of Harbeck Diagram for Forced Evaporation, George H. Ward, Jr., EY1:Apr 80:23: 15309
Analog Model for Piles in Expansive Clay, Joram M. Amir and M. S. Sokolov, SLS:June 80:582
Creep Strain Accumulation Under Random Loading, Chavali V.S. Kameswara Rao, TN: EM6:Dec 78: 1457:14198
Design Temperature for Structural Elements, Paul Millman, Robert Kilcup and C. Allin Cornell, ST4: Apr 80:877:15364
Differential Movement in Composite Load-Bearing Masonry Walls, Clayford T. Grimm and David W. Fowler, ST7:July 79:1277:14666
Forced Plumes in a Stratified Reservoir, Brian Henderson-Sellers, HY4:Apr 78:13658
Heat Conduction in Plates by Finite Strip Method, Satyananda Chakrabarti, EM2:Apr 80:233:15328
Heat Loss from Sidearms of Cooling Lakes, Terry W. Sturm and John F. Kennedy, HY5:May 80:783: 15398
Hybrid Cooling System Thermodynamics and Economics, Arthur R. Giaquinta, Thomas E. Croley, II and Tai-Dan Hsu, EY1:Apr 80:89:15319
Microdroplets and Transport of Moisture from Ocean, Sung C. Ling, Timothy W. Kao and Alice I. Saad, EM6:Dec 80:1327:15923
Near Field Mixing of Staged Diffuser, Joseph H.W. Lee, HY8:Aug 80:1309:15654
Performance of Package Water Treatment Plants, James M. Morand and Matthew J. Young, EE80: July 80:526
Power Plant Diffuser-Pipe System, A. David Parr and William W. Sayre, EE6:Dec 79:1075:15048
Proposed Modifications of K_2—Temperture Relation, Linfield C. Brown and Michael K. Stenstrom, TN: EE6:Dec 80:1193:15869
Remotely Sensed Crop Temperatures and Reflectances as Inputs to Irrigation Scheduling, R. D. Jackson, S. B. Idso, R. J. Reginato and P. J. Pinter, Jr., IRKA:July 80:390
Response of Steel Buildings, Boris Bresler and Robert Iding, Preprint No.80-595, Oct 80, 13pp.
Short Thermal River Diffusers, Alfred David Parr, J. G. Melville and J. J. Dlubac, HYCO:Aug 80:131
Solutions Using Conjugate Elements, Abdul K. Abdul-Shafi, TN: ST11:Nov 80:2339:15792
A Temperature Model for Small Mountain Streams, Shelley S. Ellis, Stanley L. Ponce and L. Eric Siverts, IRKB:July 80:494
Thermal Discharge Investigation, Yung Y. Shen and Richard S. McGinnis, HYCO:Aug 80:13
Thermal Predictions using Integral Energy Model, Dennis E. Ford and Heinz G. Stefan, HY1:Jan 80: 39:15119
Thermal Stress Analysis of Continuous Skew Bridge, Fazlur Rahman and Kalankamary P. George, ST7: July 79:1525:14695
Thermal Stresses in Skew Bridge by Model Test, Fazlur Rahman and Kalankamary P. George, ST1: Jan 80:39:15112
Water Temperature Mapping by Infrared Scanner, James B. Evans, AS80:Aug 80:118

Temperature Distribution
Great Lakes Storm Surge Flood Forecasting Methods, Keith W. Bedford, Mark D. Prater and Steven Dingman, HYUS:June 80:289
Horizontal Buoyant Jets in Quiescent Shallow Water, V. Balasubramanian and Subhash C. Jain, EE4:Aug 78:717:13943
Mathematical Model for Staged Diffuser Discharge, Dominique N. Brocard, Charles H. Beauchamp and Shih-Kuan Hsu, HYCO:Aug 80:154
Sensitivity of the Prych-Davis-Shirazi Model, Barry A. Benedict and John W. Preston, Jr., HYCO:Aug 80:322
Temperature Distributions in Composite Bridges, Jack H. Emanuel and J. Leroy Hulsey, ST1:Jan 78: 65:13474

Temperature Effects
Cracking in Concrete Pavements, Robert C. Deen, James H. Havens, Assaf S. Rahal and W. Vernon Azevedo, TE2:Mar 80:155:15273
Design Temperature for Structural Elements, Paul Millman, Robert Kilcup and C. Allin Cornell, ST4: Apr 80:877:15364
Low Temperature Anaerobic Digestion of Swine Manure, Mark A. Stevens and Dennis D. Schulte, EE1:Feb 79:33:14340
Settling Rates of Algae from Wastewater Lagoons, Susan E. Stutz-McDonald and Kenneth J. Williamson, EE2:Apr 79:273:14519
Temperature Effects on Epoxy Adhesives, Joseph M. Plecnik, Boris Bresler, James D. Cunningham and Robert Iding, ST1:Jan 80:99:15141
Transient Analysis for Shallow Cooling Ponds, E. Eric Adams and Antonis D. Koussis, EY2:Oct 80: 141:15737

Temperature Measurement
Stream Temperature Estimation Using Kalman Filter, Chao-Lin Chiu and Emmanuel Oko Isu, HY9:Sept 78:1257:13991

Temperature Sensors
Measurement of Soil Thermal Resistivity, James K. Mitchell and Tsung C. Kao, GT10:Oct 78:1307: 14080

Tendons
Active Tendon Control of Structures, Jann-Nan Yang and Fanis Giannopoulos, EM3:June 78:551:13836
Ultimate Steel Stresses in Unbonded Prestressed Concrete, Soussan Mojtahedi and William L. Gamble, TN: ST7:July 78:1159:13868

Tennessee
Storm Water Treatment with Minor Plant Alterations, George R. Brower, Robert H. Brotherton and John B. Kincaid, EE80:July 80:472

Tennessee Valley Authority
Bellefonte Primary Containment Structure, James H. Olyniec, Preprint No.80-548, Oct 80, 14pp.
TVA Blast Vibration Criteria for Mass Concrete, Lewis L. Oriard and James H. Coulson, Preprint No.80-175, Apr 80, 22pp.
TVA's Pumped Storage Plant, CE:June 80:84
U.S. Energy Future - Will We Make the Hard Decisions?, CE:Jan 80:73

Tensile Strength
Earthquake Resistant Design of Concrete Gravity Dams, Anil K. Chopra, ST6:June 78:953:13823
Tensile Strength of Concrete: Double-Punch Test, Wai F. Chen and Robert L. Yuan, ST8:Aug 80: 1673:15593

Tensile Stress
Tensile Strength of Concrete Masonry, Robert G. Drysdale, Ahmad A. Hamid and Arthur C. Heidebrecht, ST7:July 79:1261:14669

Tensiometers
A Simple Method to Characterize Watershed Soils, James W. Naney and Lajpat R. Ahuja, IRKB:July 80:731

Tension
Behavior of Beams and Flexible Pipes Under Tension, Alain H. Peyrot, Preprint No.80-001, Apr 80, 15pp.
Bolt Tension Measurement from Head Strain Data, John O. Surtees and Moheeb E. Ibrahim, ST2:Feb 80:477:15195
Prestressed Concrete Members in Direct Tension, Robert J. Wheen, ST7:July 79:1471:14693
Recording Unconfined Tension Tester, Colin R. Thorne, N. Keith Tovey and Rick Bryant, TN: GT11:Nov 80:1269:15790
Tension and Tension-Shear Fractures in Cements and Concretes, Michael A. Taylor, FIC:Oct 80

Terminal Facilities
Air Terminal Design: Decentralization and Shape, John P. Braaksma and W. Alex Ramsay, TE6:Nov 79:699:14945
Alyeska — Crude Loading Port, Ernest W. Brumitt and David G. Dixon, PO80:May 80:218
Atlanta's New Central Passenger Terminal Complex, James F. Kortan, TE6:Nov 80:765:15821
Case Histories of Harbor Developments in Weak Soils, William Enkeboll and Vernon A. Smoots, WW4:Nov 80:429:15832
Design of a Tanker Mooring System for Dynamic Loads, Shih-lih Steve Fang and Robert M. Schneider, PO80:May 80:747
Design of Statfjord B Articulated Loading Platform, Marjorie A. Prosuch, PO80:May 80:385
Design Today for Tomorrow, Linda L. Gerbode, PO80:May 80:186
Evaluation of Deepwater Oil Terminals: A Case Study, C. Michael Walton, MGC:July 80:85
Flow Optimization on a Transportation Network, William J. Dunlay, Jr. and Nicolau D.F. Gualda, TE1:Jan 79:41:14285
Human Orientation in Transportation Terminals, John P. Braaksma and W. Jordan Cook, TE2:Mar 80:189:15274
Mooring System Management, John Mascenik and Richard B. Harley, PO80:May 80:763
A New Type of Single Point Mooring: "Proud", Rene Loire, PO80:May 80:369
Port Capacity Determination and Planning, Ernst G. Frankel and Chang Bin Tang, PO80:May 80:193
Reinforced Earth Structures for Port Development, David P. McKittrick, PO80:May 80:786

Terminology
Definition of Terms Related to Liquefaction, William F. Marcuson, III, Chmn., GT9:Sept 78:1197:14037

Terrain
Use of Digital Terrain Data in Topographic Analysis, Siamak Khorram and H. Gregory Smith, ASDC:80: 368

Terrain Mapping
Surfaces — Terrain Modeling and Contour Plotting, Philip L. Owen and William F. Blank, CP80:June 80:48

Terrain Models
Digital Terrain Models in Civil Engineering Design, Robert N. Eli and Ronald W. Eck, CP80:June 80: 122
Geographic Information Systems, William E. Gates and Richard J. Heil, SU1:Nov 80:105:15826
Plotter Applications in Highway Design, William T. Till, TC1:Apr 79:239:14539
Surfaces — Terrain Modeling and Contour Plotting, Philip L. Owen and William F. Blank, CP80:June 80:48

Tertiary Treatment
Fault Tree Analysis for Wastewater Treatment, David L. Kelley and Richard C. Allison, EE6:Dec 79:1105:15031

Test Equipment
Summary of Open Discussion, D. R. Snethen, A. Ruckman, D. G. Fredlund, R. L. Lytton, R. G. McKee, W. G. Holtz, M. L. Steinburg, D. H. van der Merwe, Z. Ofer, C. Coffee, E. Stepkowska, B. Balasubramonian, A. A.B. Williams, H. Reitz and P. Mitchell, SLS:June 80:717

Testing
Alpha, Beta, and Theta Factors For Oxygen Transfer Testing, Michael K. Stenstrom and R. Gary Gilbert, EE80:July 80:86
Developments in Motor Vehicle Inspection/ Maintenance, Thomas Cackette, Philip Lorang and David Hughes, CAAA:Nov 79:76
Diagnostic Testing of a Bridge, Baidar Bakht and Paul F. Csagoly, ST7:July 80:1515:15547
Dynamic Mathematical Modeling of Rill Erosion, Richard A. Rohif and Michael E. Meadows, IRKB: July 80:13
Experiments on Axially Loaded Concrete Shells, Wai F. Chen, Harshavardhan C. Mehta and Tse-Yung P. Chang, ST8:Aug 79:1673:14785
Modeling Sediment Filtration by Vegetative Filters, Billy J. Barfield and J. C. Hayes, IRKB:July 80:98
New Cell For Study of Swelling Soils, Gerard Didier, Richard Kastner and Yvan Bourdeau, SLS:June 80: 18
Ontario Writes New Bridge Code, Michael J. Bartos, Jr., CE:Mar 79:56
Perforated Plates as Hydraulic Energy Dissipators, James Paul Tullis, James J. Powers, III, Paul F. Shiers and Whitney W. Hall, HYCO:Aug 80:62
Recording Unconfined Tension Tester, Colin R. Thorne, N. Keith Tovey and Rick Bryant, TN: GT11:Nov 80:1269:15790
Size Effect in Model Concretes?, Gajanan M. Sabnis and Saeed M. Mirza, ST6:June 79:1007:14618
Strain Controlled Testing of Expansive Soils, Andrew A. Porter and John D. Nelson, SLS:June 80:34
Tests on Microconcrete Continuous Folded Plates, Kaveti Seetharamulu and Sachchidanand N. Sinha, ST7:July 79:1457:14696

Test Procedures
Airfield Pavement Demonstration-Validation Study, Donald M. Arntzen, Ernest J. Barenberg and Robert J. Krause, TE6:Nov 80:721:15813
Oxygen Transfer Measurements in Respiring Systems, John R. Stukenberg, EE80:July 80:78

Tests
Ambient Vibration Tests of Suspension Bridge, Ahmed M. Abdel-Ghaffar and George W. Housner, EM5:Oct 78:983:14065
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Buckling Stresses of Stiffened Hyperboloidal Shells, Ihsan Mungan, ST8:Aug 79:1589:14775
Composite Columns Under Sustained Load, Russell Q. Bridge, ST3:Mar 79:563:14442
Construction on Expansive Rock, K. L. Logani, SLS: June 80:496
Dispersive Soil Problem at Los Esteros Dam, Thomas N. McDaniel and Rey S. Decker, GT9:Sept 79: 1017:14804
Experiments on Soil Reinforcement with Geotextiles, Anastase Collios, Phillippe Delmas, Jean-Pierre Gourc and Jean-Pierre Giroud, Preprint No.80-177, Apr 80, 22pp.
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New Approach to Predict Lime Reactivity of Soils, Aloysius Kweku Castel and Kandiah Arulanandan, TN: GT4:Apr 79:563:14476
Performance Evaluation of Wind Turbines, Robert E. Akins, TE1:Jan 80:19:15133
Plasticity Solutions for Concrete Splitting Tests, Wai F. Chen and Tse-Yung P. Chang, EM3:June 78: 691:13852
Silicate-Stabilized Sands, G. Wayne Clough, William M. Kuck and Gyimah Kasali, GT1:Jan 79:65:14335
Soil Movement in Geotextile Reinforced Roads, Thomas C. Kinney and Ernest J. Barenberg, Preprint No.80-177, Apr 80, 24pp.
Tensile Strength of Concrete: Double-Punch Test, Wai F. Chen and Robert L. Yuan, ST8:Aug 80: 1673:15593
Torsional Vibration Tests on Embedded Footings, K. S. Sankaran, N. R. Krishnaswamy and P. G. Bhaskaran Nair, TN: GT3:Mar 80:325:15262
Transmission Line Structural Testing: Dynamic/ Static, Leon Kempner, Jr., Richard C. Stroud and Strether Smith, Preprint No.80-041, Apr 80, 19pp.
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Texas
Areawide Soil Loss Predictions Using CIR Airphotos, Ken M. Morgan and Randolph Nalepa, AS80:Aug 80:24
The Coastal Land Development Process: Developer's Plights, Valinda Parker and Kent S. Butler, CZ80: Nov 80:1010
Effluent Irrigation at Lubbock, Texas, Robert M. Sweazy, Heyward R. Ramsey, III and George A. Whetstone, EE80:July 80:357
Hazardous Location Program, Edwin M. Smith, HW80:Mar 80:109
How Texas is Tackling Highway Finance and Management, CE:Nov 79:65
Impacts of Water Development and Coastal Engineering on Barrier Island Erosion Rates, Arthur R. Benton, Jr., ASDC:80:191
Keep the Mosquito Fleet in the City, Joanne Peterson, CZ80:Nov 80:51
Locating Reservoirs with Landsat: "A Texas Example", E. Charles Palmer, Samuel D. McCulloch and A. E. Richardson, ASDC:80:11
Nitrogen Yields and Land Use in Southern Streams, Mingteh Chang, Jack D. McCullough and Frank A. Roth, II, IRKB:July 80:951
The Personalized System of Instruction: Death Knell for the Lecture?, CE:Mar 79:73
Proposed Improvements to East Matagorda Bay, Texas, Jack Moger, HYUS:June 80:398
The Role of Deepwater Ports: The Texas Experience, C. Michael Walton, PO80:May 80:73
San Antonio Freeway: Social-Impact Landmark, Raymond H. Lindholm and Malcolm L. Steinberg, CE:June 80:80
Sanitary Landfill Site Selection by Remote Sensing, Jerry R. Rogers, William J. Graff, Larry J. Stone, C. H. Tsen and S. S. Yang, ASDC:80:92
Stormwater Analysis and Prediction in Houston, Philip B. Bedient, Douglas A. Harned and William G. Characklis, EE6:Dec 78:1087:14237
Sulphur Asphalt Field Trials in Texas, Bob M. Gallaway and Fred J. Benson, MGC:July 80:366
TNRIS Links Users to Water Related Data in Texas, David L. Ferguson, Preprint No.80-162, Apr 80, 12pp.

Textiles
Experiments on Soil Reinforcement with Geotextiles, Anastase Collios, Phillippe Delmas, Jean-Pierre Gourc and Jean-Pierre Giroud, Preprint No.80-177, Apr 80, 22pp.
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Thailand
Deformation and Strength Characteristics of Soft Bangkok Clay, A. S. Balasubramaniam and A. R. Chaudry, GT9:Sept 78:1153:14040

Thawing
Resilient Response of Two Frozen and Thawed Soils, Edwin J. Chamberlain, David M. Cole and Thaddeus C. Johnson, GT2:Feb 79:257:14398

Theories
A Probabilistic Paradox, D. I. Blockley, TN: EM6: Dec 80:1430:15871

Thermal Analysis
Effects of Fire on Reinforced Concrete Members, Bruce R. Ellingwood and James R. Shaver, ST11: Nov 80:2151:15802
Energy Loss Surveys Using Thermal IR Technology, Lewis E. Link, Jr., AS80:Aug 80:123
Fire Response of Reinforced Concrete Slabs, Zuhayr Nizamuddin and Boris Bresler, ST8:Aug 79:1653: 14784

Thermal Diffusion
Design Model for Thermal Effluents in Rivers, Giorgio Dinelli and Leonardo Castellano, HY3:Mar 79:197:14422
Short Thermal River Diffusers, Alfred David Parr, J. G. Melville and J. J. Dlubac, HYCO:Aug 80:131
Sources of Computer Programs in Hydraulics, David R. Basco, Chmn., HY5:May 80:915:15435

Thermal Energy
Electricity from the Sea, Frank McHale, CE:June 80: 73
Potential Coastal-Zone Impacts of Alternative Ocean Energy Systems, Volker W. Harms and Nancy Gutshall, CZ80:Nov 80:947

Thermal Factors
Thermal Effects on Load Capacity of Concrete Slabs, Nestor R. Iwankiw, ST7:July 79:1417:14667

Thermal Gradient
Temperature Distributions in Composite Bridges, Jack H. Emanuel and J. Leroy Hulsey, ST1:Jan 78: 65:13474
Thermal Stresses in Skew Bridge by Model Test, Fazlur Rahman and Kalankamary P. George, ST1: Jan 80:39:15112

Thermal Imagery
Remote Sensing Sensors for Environmental Studies, B. Sen Mathur, TE4:July 79:439:14707
Surface Temperature Mapping by NOAA-5 Satellite, Siamak Khorram and H. Gregory Smith, ASDC:80: 286

Thermal Insulation
Energy Conservation: Long-Overlooked Cheap Source of Energy, Eugene E. Dallaire, CE:Dec 79: 77

Thermal Pollution
Buoyant Jet Discharges into Finite Ambient Waters, Iyyanki V. Muralikrishna and Kandula V.N. Sarma, HY5:May 79:14586
Cooling Potential of Missouri River in Missouri, Arthur R. Giaquinta, HY11:Nov 80:1813:15834
Density Currents in Sidearms of Cooling Ponds, Subhash C. Jain, EY1:Apr 80:9:15320
Design Model for Thermal Effluents in Rivers, Giorgio Dinelli and Leonardo Castellano, HY3:Mar 79:197:14422
Heat Recirculation Induced by Thermal Diffusers, Joseph H.W. Lee, Gerhard H. Jirka and Donald R.F. Harleman, HY10:Oct 79:1219:14929
Impact of Vertical Scale Distortion on Turbulent Mixing in Physical Models, Benjamin R. Roberts and Robert L. Street, HYCO:Aug 80:261
Marine Turties and Problems in Coastal Management, John G. Frazier, CZ80:Nov 80:2395
On the Effect of the Value of the Eddy Coefficients on the Simulated Vertical Structure of Stratified Flows, Angelos N. Findikakis and Robert L. Street, HYCO:Aug 80:377

Optimizing Cooling Policy for System Power Plant, Leighton Lum and Larry W. Mays, EY1:Jan 79: 137:14334
Persistence of Chlorine in Cooling Water from Electric Generating Station, G. Fred Lee, EE4:Aug 79:757:14777
Short Thermal River Diffusers, Alfred David Parr, J. G. Melville and J. J. Dlubac, HYCO:Aug 80:131
Staged Multiport Diffusers, Charles W. Almquist and Keith D. Stolzenbach, HY2:Feb 80:285:15185
Thermal Discharge Investigation, Yung Y. Shen and Richard S. McGinnis, HYCO:Aug 80:13
Two-Dimensional Heated Jets in Shallow Water, Bruce McEnroe and Subhash C. Jain, EY1:Apr 80: 33:15349

Thermal Power Plants
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Impact of Potential Electric Vehicle Market Penetrations on Air Quality, Martin J. Bernard, III, CAAA:Nov 79:329
Seismic Design Criteria for Fossil Plant Structures, Sukhmander Singh, Mayasandra K. Ravindra and Thomas G. Longlais, Preprint No.80-647, Oct 80, 20pp.
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Thermal Properties
Analog Model for Piles in Expansive Clay, Joram M. Amir and M. S. Sokolov, SLS:June 80:582
Measurement of Soil Thermal Resistivity, James K. Mitchell and Tsung C. Kao, GT10:Oct 78:1307: 14080

Thermal Resistance
Measurement of Soil Thermal Resistivity, James K. Mitchell and Tsung C. Kao, GT10:Oct 78:1307: 14080

Thermal Stratification
Cooling Impoundments: Classification and Analysis, Gerhard H. Jirka and Donald R.F. Harleman, EY2: Aug 79:291:14779

Thermal Stresses
Random Thermal Stress in Concrete Containments, Mahendra P. Singh and Robert A. Heller, ST7:July 80:1481:15542
Thermal Stress Analysis of Continuous Skew Bridge, Fazlur Rahman and Kalankamary P. George, ST7: July 79:1525:14695
Thermal Stresses in Skew Bridge by Model Test, Fazlur Rahman and Kalankamary P. George, ST1: Jan 80:39:15112

Thermal Utilization
Electricity from the Sea, Frank McHale, CE:June 80: 73

Thermocouples
Characterization of Expansive Soils Using Soil Suction Data, Donald R. Snethen, SLS:June 80:54

Thermodynamics
Thermodynamics of Solidifying or Melting Viscoelastic Material, Zdenek P. Bazant, EM6:Dec 79:933:15041

Thermoelasticity
Stressed-Strained State of Expansive Soil Massifs, N. A. Tsytovich, Z. G. Ter-Martirosyan and G. Ya. Karapetov, SLS:June 80:866

Thermoelastic Theory
Stressed-Strained State of Expansive Soil Massifs, N. A. Tsytovich, Z. G. Ter-Martirosyan and G. Ya. Karapetov, SLS:June 80:866

Thermoelectric Power Generation
Multiple Jets in Shallow Flowing Receiving Waters, A. David Parr and William W. Sayre, HY11:Nov 79:1357:14991
Power Plant Diffuser-Pipe System, A. David Parr and William W. Sayre, EE6:Dec 79:1075:15048

Thermography
Thermographic Applications for Plant and Building Engineers, Henry H. Schmalz, AS80:Aug 80:131

Thickening
Applicability of Kynch Theory to Flocculent Suspensions, Byong S. Shin and Richard I. Dick, EE3:June 80:505:15461

Thickness
Parametric Study on Containment Liner-Anchor System, Adam Al-Dabbagh and Ajaya K. Gupta, EY2:Aug 79:169:14737

Thin Shell Structures
Concrete Plasticity Theory for Biaxial Stress Analysis, David W. Murray, Larp Chitnuyanondh, Khazal Y. Rijub-Agha and Chung Wong, EM6:Dec 79:989:15046

Thin-Wall Structures
Finite Element Analysis of Box Girders, Martti J. Mikkola and Juha Paavola, ST6:June 80:1343: 15498
Research Needs in Stability of Metal Structures, Reidar Bjorhovde, ST12:Dec 80:2425:15926

Thomas A. Middlebrooks Award
Behavior and Design of Long-Span Metal Culverts, James M. Duncan, GT3:Mar 79:399:14429

Thomas Fitch Rowland Prize
Construction Methods in Tunneling under a Railroad, Marcello H. Soto, CO3:Sept 77:317:13180
Excavation of World's Largest Underground Powerhouse, Laurent Hamel and David Nixon, CO3:Sept 78:333:13995

Three-Dimensional
Automated Suspension Bridge Analysis by Symmetry, Harold Samelson and Harold T. Fink, CP80:June 80:484

Three Dimensional Display Systems
MOVIE.BYU—A Computer Graphics Software System, Henry N. Christiansen and Michael B. Stephenson, TC1:Apr 79:3:14484

Three Dimensional Flow
Three-Dimensional Open Channel Flow, Chao-Lin Chiu, David E. Hsiung and Hsin-Chi Lin, HY8:Aug 78:1119:13963

Thrust
Solutions Using Conjugate Elements, Abdul K. Abdul-Shafi, TN: ST11:Nov 80:2339:15792

Tidal Currents
Buoyant Surface Jet in Tidal Longshore Current, Eric J. Wolanski and Michael L. Banner, HY11:Nov 78: 1505:14186
Calibrating the Chesapeake Bay Circulation Model?, Raymond Walton, M. A. Granat and Robert P. Shubinski, HYCO:Aug 80:387
C & D Canal Effect on Salinity of Delaware Estuary, Tavit O. Najarian, M. Llewellyn Thatcher and Donald R.F. Harleman, WW1:Feb 80:1:15172
Coastal Storm Tide Frequency, Virginia to Delaware, Vance A. Myers and Francis P. Ho, HYUS:June 80:74

Computer Controlled Physical Model of the Sacramento River, Jaime Amorocho, William J. Hartman and Johannes J. DeVries, HYCO:Aug 80: 451
Estuarine Variability, Wm. J. Wiseman, Jr., Preprint No.80-645, Oct 80, 8pp.
Expediting The Coastal Approval Process, Jeffrey A. Layton and Peter L. Buck, CZ80:Nov 80:1998
Improved Stability of Dronkers' Tidal Schemes, Guus S. Stelling, HY8:Aug 80:1365:15660
Mathematical Model for Evaluating Extra-Ordinary Tide in Coastal Zone During Typhoon, Frederick L.W. Tang, Chuen Sheng Yang and Shing S.T. Schluchter, HYUS:June 80:215
Numerical Modeling of Tidal Circulation in Harbors, Roger A. Falconer, WW1:Feb 80:31:15187
A One-Dimensional Flow Model of the Potomac River, Raymond W. Schaffranek and Robert A. Baltzer, HYCO:Aug 80:292
Seasonal Water Chemistry in the Tidal Potomac River, David H. Peterson, CZ80:Nov 80:1558
Sensitivity Ranking of Energy Port Shorelines, Miles O. Hayes, Erich R. Gundlach and Charles D. Getter, PO80:May 80:697
Stress and Tidal Current in a Well-Mixed Estuary, M. Robinson Swift, Ronnal Reichard and Barbaros Celikkol, HY7:July 79:785:14682
Techniques and Experiences in the Utilization of Unsteady Open-Channel Flow Models, Chintu Lai, Robert A. Baltzer and Raymond W. Schaffranek, HYCO:Aug 80:177
Use of Electrical Analogs as a Design Tool for Tidal Canals, Robert M. Snyder, Bent A. Christensen and Raymond Walton, HYUS:June 80:119
Vertical Mixing in Stratified Tidal Flows, Nicholas V.M. Odd and James G. Rodger, HY3:Mar 78:337: 13599

Tidal Effects

Accurate Calculation of Transport in Two Dimensions, Forrest M. Holly, Jr. and Alexandre Preissmann, HY11:Nov 77:1259:13336
Asymmetric Variation of Ghyben-Herzberg Lens, Daniel Wayne Urish, HY7:July 80:1149:15533
Barrier Beach Protection in Massachusetts, Stanley M. Humphries and Jeffrey R. Benoit, CZ80:Nov 80:1809
Coastal Storm Tide Frequency, Virginia to Delaware, Vance A. Myers and Francis P. Ho, HYUS:June 80:74
Definition of Mean High Water Line, Gunther Greulich, TN: SU1:Nov 79:111:14943
Dependency of Astronomic Tide and Hurricane Surge, Richard A. Schmalz, Jr., HYUS:June 80:7
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Gravel Barrier Genesis and Management: A Contrast, R. W.G. Carter and J. D. Orford, CZ80: Nov 80:1304
Spectral Wave Set-up and Run-up, F. H.Y. Wu, J. Ian Collins and David J. Divoky, HYUS:June 80: 327
Thames River Flood Barrier, P. A. Cox, CE:Apr 79: 68
Tidal Protection Measures — Social and Legal Problems, Hyman J. Fine, HYUS:June 80:44

Tidal Energy

Tidal Energy Integration Using Pumped Storage, Robert Anthony Gibson and Eric Montgomery Wilson, EY1:Jan 79:71:14291
Two-Dimensional Tidally Averaged Estuarine Model, Wen-Sen Chu and William W-G. Yeh, HY4:Apr 80:501:15345

Tidal Flats

Coastal Flooding of Tidal Estuaries, Shing S.T. Schluchter and M. Teubner, HYUS:June 80:275
Designation of All Public Rights of Way to the Tidal Areas of Rhode Island, Joseph F. Turco, CZ80:Nov 80:1386
Endangered Species Coordination for Los Angeles Harbor, Daniel Muslin and Charles H. Fisher, CZ80:Nov 80:891
Influence of Storm Type and Urbanization on Tidal Flooding, Armando Balloffet and Michael L. Scheffler, CZ80:Nov 80:2256
The Issue of Freshwater Inflow to Estuaries, Norman G. Benson, CZ80:Nov 80:1147
Mapping and Surveying Florida's Submerged Lands, George M. Cole, CZ80:Nov 80:549
The New Jersey Coast: Going, Going, Gone?, Sheldon Abrams and D. W. Bennett, CZ80:Nov 80: 1497
Seasonal Water Chemistry in the Tidal Potomac River, David H. Peterson, CZ80:Nov 80:1558
Submersed Aquatic Vegetation in the Tidal Potomac, Virginia Carter, James E. Paschal, Jr. and G. Michael Haramis, CZ80:Nov 80:1537
Tidal Inlet Effects on Barrier Island Management, Duncan M. FitzGerald and Miles O. Hayes, CZ80: Nov 80:2355

Tidal Hydraulics

Mathematical Model for Evaluating Extra-Ordinary Tide in Coastal Zone During Typhoon, Frederick L.W. Tang, Chuen Sheng Yang and Shing S.T. Schluchter, HYUS:June 80:215
A Solute Transport Model for Tidal Canal Networks, Raymond Walton and Bent A. Christensen, HYUS: June 80:142
Use of Electrical Analogs as a Design Tool for Tidal Canals, Robert M. Snyder, Bent A. Christensen and Raymond Walton, HYUS:June 80:119

Tidal Marshes

Mapping and Surveying Florida's Submerged Lands, George M. Cole, CZ80:Nov 80:549

Tidal Power Generation

Tidal Power from Rectangular Estuaries: Tidal Dynamics Constraints, Ian S. Robinson and John M. Perry, HY11:Nov 80:1915:15858

Tidal Power Plants

Tidal Energy Integration Using Pumped Storage, Robert Anthony Gibson and Eric Montgomery Wilson, EY1:Jan 79:71:14291
Tidal Power from Rectangular Estuaries: Tidal Dynamics Constraints, Ian S. Robinson and John M. Perry, HY11:Nov 80:1915:15858

Tidal Waters

Definition of Mean High Water Line, Gunther Greulich, TN: SU1:Nov 79:111:14943
Mathematical Modeling of Dissolved Oxygen in Mixed Estuaries, Yasar F. Ozturk, EE5:Oct 79:883: 14923
Tidal Protection Measures — Social and Legal Problems, Hyman J. Fine, HYUS:June 80:44
Use of Electrical Analogs as a Design Tool for Tidal Canals, Robert M. Snyder, Bent A. Christensen and Raymond Walton, HYUS:June 80:119

Tides

Buoyant Surface Jet in Tidal Longshore Current, Eric J. Wolanski and Michael L. Banner, HY11:Nov 78: 1505:14186
Inlet Stability Solutions for Tributary Inflow, Francis F. Escoffier and Todd L. Walton, Jr., WW4:Nov 79:355:14964
Joint Occurrences in Coastal Flooding, M. Aziz Tayfun, WW2:May 79:107:14560
Modeling Three-Dimensional Wind-Induced Flows, Christopher Koutitas and Brian O'Connor, HY11: Nov 80:1843:15836
Numerical Modeling of Tidal Circulation in Harbors, Roger A. Falconer, WW1:Feb 80:31:15187
Tidal Hydraulics in Estuarine Channels, Robert M. Snyder, HY2:Feb 80:237:15202

Tidal Power from Rectangular Estuaries: Tidal Dynamics Constraints, Ian S. Robinson and John M. Perry, HY11:Nov 80:1915:15858
Water Level Variations along California Coast, Raymond A. Smith and Robert J. Leffler, WW3: Aug 80:335:15614

Ties
Load Transfer in Pressure Injected Anchors, James R. Shields, Harry Schnabel, Jr. and David E. Weatherby, GT9:Sept 78:1183:14035

Tiltmeters
Northfield Mountain Pumped Storage Project: Performance, William F. Swiger, Philip A. Wild and Thomas J. Lamb, GT6:June 80:673:15506

Timber Construction
Banding for Structural Repair at Timber Connectors, R. Richard Avent, Leroy Z. Emkin and Paul H. Sanders, ST1:Jan 80:87:15126
Bending Strength of Curved Glued Laminated Timber, John A. Anderson and L. G. Booth, ST6: June 79:1167:14645
Epoxy Repair of Timber — Paradox or Panacea?, R. Richard Avent, Preprint No.80-560, Oct 80, 14pp.
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Important Research Needs in Wood-As A Structural Material, James R. Goodman, Chmn., ST10:Oct 79: 2069:14893
Laterally Loaded Timber Columns, Hans J. Larsen and Esko Theilgaard, ST7:July 79:1347:14679
Modulus of Elasticity of Timber Members, Robert K. Wen, Bruce F. Henley and Frank J. Hsiu, TN: ST12:Dec 77:2399:13385
Nonlinear Layered Timber Cylindrical Shells, Peter J. Moss, Athol J. Carr and Nicholas C. Cree-Brown, ST10:Oct 79:2019:14932
Radial Stresses in Curved Glulam Beams, Vijaya K.A. Gopu, ST11:Nov 80:2143:15797
Tests on Nailed and Glued Layered Timber Cylindrical Shells, G. Bryan Walford and Peter J. Moss, ST1:Jan 80:247:15152
Timber Trestle Carries Air Force Bombers, CE:Dec 80:56
Wood Arch Relamination by Epoxy Grouting, Ronald F. Silva, Preprint No.80-531, Oct 80, 14pp.

Timber Piles
Timber Piles in Fine-Silty Sand, Raj P. Khera, Tonis Raamot and Morris Berkowitz, GTDF:80:235
Timber Pile Study, Exisiting Structure, Frank D. Grefsheim, GTDF:80:166

Timbers
Press-Lam Timbers for Exposed Structures, John A. Youngquist, David S. Gromala, Ronald W. Jokerst, Russell C. Moody and John L. Tschernitz, ST7:July 79:1405:14673
Timber Trestle Carries Air Force Bombers, CE:Dec 80:56
Wood Beams Under Impact Load, Borislav D. Zakic, ST7:July 79:1489:14690

Time Dependence
Fire Response of Reinforced Concrete Slabs, Zuhayr Nizamuddin and Boris Bresler, ST8:Aug 79:1653: 14784
Impactive Effects of Tornado Missiles and Aircraft, Anil K. Kar, ST11:Nov 79:2243:14968
Load Combinations in Codified Structural Design, Carl J. Turkstra and Henrik O. Madsen, ST12:Dec 80:2527:15938
Nonlinear Finite Element Analysis of Farm Silos, Karoon Chandrangsu and Alfred G. Bishara, ST7: July 78:1045:13907
Stochastic Design of Flow Equilization Basins, Campbell D. MacInnes, Andrew C. Middleton and Kazimierz Adamowski, EE6:Dec 78:1275:14251
Temporal Stability of Modal Choice Models, Robert L. Smith, Jr., TE3:May 79:263:14565
Thermodynamics of Solidifying or Melting Viscoelastic Material, Zdenek P. Bazant, EM6:Dec 79:933:15041
Time-Dependent Deformation Behavior of Clays, Edward Kavazanjian, Jr. and James K. Mitchell, GT6:June 80:611:15488
Time-Dependent Stochastic Model of Floods, Michel North, HY5:May 80:649:15405
Transient Analysis for Shallow Cooling Ponds, E. Eric Adams and Antonis D. Koussis, EY2:Oct 80: 141:15737
Unsteady Drawdown in 2-D Water Table Aquifer, David T. Higgins, IR3:Sept 80:237:15696
Upcrossing Rate Solution for Load Combinations, Richard D. Larrabee and C. Allin Cornell, ST1:Jan 79:125:14329

Time Factors
Photographic Record and Time Delays, Richard P. Maher, CO3:Sept 80:341:15674
Why Does a Federal Demonstration Project Succeed or Fail?, Walter S. Baer, LeLand L. Johnson and Edward W. Merrow, CE:Mar 79:53

Time Series Analysis
Analyzing Environmental Time Series, Francoise D'Astous and Keith William Hipel, EE5:Oct 79: 979:14881
Computer Analysis of Hydrologic Time Series, Jose D. Salas and Ricardo A. Smith, CP80:June 80:305
Continuous Dynamic Models for Traffic Indices, Neil W. Polhemus, TE6:Nov 79:639:14965
Digital Simulation of Nonlinear Random Waves, Robert T. Hudspeth and Min-Chu Chen, WW1:Feb 79:67:14376
Efficient FFT Simulation of Digital Time Sequences, Robert T. Hudspeth and Leon E. Borgman, EM2: Apr 79:223:14517
Forecasting Lake Levels—A Case Study, Sivajogi D. Koppula, HYUS:June 80:280
The STS Method for Flood Frequency Estimation, Mark Wildermuth, HYUS:June 80:66
Techniques for Spatial Extrapolation of Wind Data, Loren D. Meeker, Paul J. Ossenbruggen and Gerard P. Pregent, EM2:Apr 80:201:15315
Thames Basin Nitrate and Agricultural Relations, Charles A. Onstad and Jane Blake, IRKB:July 80: 961
Time Series Modeling of Chicago Particulates, William D. O'Neill, EE5:Oct 79:855:14887
Time Series Models for Freeway Incident Detection, Samir A. Ahmed and Allen R. Cook, TE6:Nov 80: 731:15805
Uncertainties in Hydrologic Time Series Analysis, Jose D. Salas and Ricardo A. Smith, Preprint No.80-158, Apr 80, 22pp.

Time Sharing
Distributed Data Entry and Processing, Joseph P. Harrison, CP80:June 80:614
Establishing a Company Computer Network, Glenn S. Orenstein, TC2:Dec 79:363:15080
In House Preprocessors for ICES STRUDL, John G. Janssen and Edward T. Manning, Jr., CP80:June 80:670

Time Spent Driving
Contraflow Bus Priority Lane Performance: A Case Study, Abishai Polus and Joseph L. Schofer, TE3: May 79:297:14559

Time Studies
Time Variations of Structural Properties During Strong Ground Shaking, Firdaus E. Udwadia and Navin Jerath, EM1:Feb 80:111:15200

Timing
The AAP: A Package of Arterial Analysis Programs, Gary Euler, Ken Courage and Steve Shapiro, CP80: June 80:560
Economic Model for Reservoir Planning, Nancy Young Moore and William W-G. Yeh, WR2:July 80:383:15520

Irrigation Performance: An Evaluation, William E. Hart, Gideon Peri and Gaylord V. Skogerboe, IR3: Sept 79:275:14827
Signal Timing Selection for Critical Intersections, Panos G. Michalopoulos and Stephen E. Meyer, TE3:May 80:265:15399
Traffic Signal Transition in Computerized Systems, C. John Macgowan, CP80:June 80:505

Tolerances (Mechanics)
Meridional Imperfection in Cooling Tower, Adam Al-Dabbagh and Ajaya K. Gupta, ST6:June 79: 1089:14636

Toll Roads
Highway History: Modern Turnpike Era Recounted, Charles M. Noble, CE:Feb 79:73

Tolls
The American Highway System, Its Past and Its Future, Fred J. Benson, MGC:July 80:389
Data Base Development at Maryland DOT, Dennis R. Atkins, CP80:June 80:363
Efficiency Through Pricing in Urban Transportation, William S. Vickrey, UT79A:July 79:120

Tomatoes
Anaerobic Digestion of Cannery Tomato Solid Wastes, David J. Hills and Ronald S. Dykstra, EE2:Apr 80:257:15318
Production Functions for Tomatoes as Affected by Irrigation and Row Spacing, W. O. Pruitt, A. A. Kamgar, D. W. Henderson and Robert M. Hagan, IRKA:July 80:346

Topographic Mapping
Major Mapping Activities in the Coastal Zone, Peter F. Bermel, CZ80:Nov 80:2380

Topographic Maps
Computer Geographic Base Files for Sanitary Sewers, Christina R. Palmerlee, Thomas M. Palmerlee and Dyan C. Conway, CP80:June 80:295
Major Mapping Activities in the Coastal Zone, Peter F. Bermel, CZ80:Nov 80:2380
Quantifying Hazards Information for Lifelines, Jeanne B. Perkins, C080:80:34

Topographic Surveys
Sea Cliff Erosion in Southern California, Louis J. Lee, CZ80:Nov 80:1919
Surveying and Mapping Research 1978-1988: An Overview, Morris M. Thompson, SU1:Nov 79:43: 14957

Topography
Damsite Works Layout and Access Road Location, Keith A. Murley, ASDC:80:114
Land Imprinting for Better Watershed Management, Robert M. Dixon and John R. Simanton, IRKB: July 80:809
Nitrogen Yields and Land Use in Southern Streams, Mingteh Chang, Jack D. McCullough and Frank A. Roth, II, IRKB:July 80:951
Snow Load Analysis for Structures, Arnfinn Rusten, Ronald L. Sack and Myron Molnau, ST1:Jan 80:11: 15102
Use of Digital Terrain Data in Topographic Analysis, Siamak Khorram and H. Gregory Smith, ASDC:80: 368

Topsoil
Establishing Cool-Season Grasses on Mine Spoils, Earl F. Aldon, David G. Scholl and Charles P. Pase, IRKB:July 80:91

Tornadoes
Building Response To Extreme Wind And Tornadoes, James R. McDonald and Kishor C. Mehta, EM81:Jan 81:547
Deep Storage of Nuclear Waste: Structural Issues, David A. Day, EY2:Oct 80:201:15746
The Fort Lauderdale Tornado of May 24th, 1979, Herbert S. Saffir, Preprint No.80-524, Oct 80, 10pp.
Impactive Effects of Tornado Missiles and Aircraft, Anil K. Kar, ST11:Nov 79:2243:14968
The Kalamazoo: Building Damage In The Center City, James R. McDonald and James J. Abernethy, EM81:Jan 81:567
Local Effects of Tornado-Generated Missiles, Anil K. Kar, ST5:May 78:809:13775
Projectile Penetration into Steel, Anil K. Kar, ST10: Oct 79:1871:14874
Structural Response of R/C Slabs to Tornado Missiles, Peter M. McMahon, Subir K. Sen, Bernard L. Meyers and Kenneth P. Buchert, ST3: Mar 79:547:14443
Tornado Data Characterization and Windspeed Risk, Lawrence A. Twisdale, Jr., ST10:Oct 78:1611: 14096
Tornado Technology and Professional Practice, Joseph E. Minor, Preprint No.80-643, Oct 80, 11pp.
Tornado Wind Effects On The Grand Gulf Cooling Towers, T. Theodore Fujita, EM81:Jan 81:555
Windspeed Analysis of 1977 Birmingham Tornado, George E. Ramey and Roy C. Johnson, Jr., ST9: Sept 80:1867:15679

Toroids
Plastic Bifurcation Buckling of Toroidal Shells, Ernest D. George, Jr., TN: EM4:Aug 79:697:14727

Torsion
Beams with Torsional and Flexural Loads, Thomas P. Pastor and John T. DeWolf, ST3:Mar 79:527:14461
Bending and Torsion Interaction of Box Girders, Conrad P. Heins and Robert S. Humphreys, ST5: May 79:891:14587
Bending of Strip with Semielliptic Notches or Cracks, Norio Hasebe, EM6:Dec 78:1433:14248
Biaxial Bending of Beams With or Without Torsion, Zia Razzaq and Theodore V. Galambos, ST11:Nov 79:2145:14972
Biaxial Bending Tests with or without Torsion, Zia Razzaq and Theodore V. Galambos, ST11:Nov 79: 2163:14973
Combined Torsion, Bending, and Shear on L-Beams, K. S. Rajagopalan, ST12:Dec 80:2475:15944
Concrete Beams with Small Opening under Torsion, M. Abdul Mansur and A. Hasnat, ST11:Nov 79: 2433:14970
Dowel Action in Concrete Beams Subject to Torsion, Mahmoud A. Reda Youssef and Alfred G. Bishara, ST6:June 80:1263:15455
Elasto-Plastic Torsion of Axisymmetric Bars, Rafik Y. Itani, EM1:Feb 79:1:14367
Errors in Utilization of Cold-Formed Steel Members, Frank J. Zamecnik, ST12:Dec 80:2493:15941
Free Torsional Vibrations of Suspension Bridges, Ahmed M. Abdel-Ghaffar, ST4:Apr 79:767:14535
Postcracking Compliance Analysis of RC Beams, Clarence W. deSilva, Oral Buyukozturk and David N. Wormley, ST1:Jan 79:35:14304
Shear Centers, Wan T. Tsai, TN: EM5:Oct 79:893: 14871
Torsional Analysis of Cutout Beams, Clarence W. de Silva and David N. Wormley, ST9:Sept 80:1933: 15713
Torsional Buckling Study of Hartford Coliseum, Robert S. Loomis, Raymond H. Loomis, Robert W. Loomis and Richard W. Loomis, ST1:Jan 80:211: 15124
Torsional Stiffening of I-Girder Webs, Conrad P. Heins and Robert A. Potocko, ST8:Aug 79:1689: 14788
Torsional Stresses in Circularly Curved Bars, Chirasak Thasanatorn and Walter D. Pilkey, ST11: Nov 79:2327:14984
Torsion in Spandrel Beams, M. Abdul Mansur and B. Vijaya Rangan, ST7:July 78:1061:13861
Torsion of Core Walls of Nonuniform Section, Te-Chang Liauw and Wang-Kwong Luk, ST9:Sept 80: 1921:15707

Torsion of Solid and Hollow Rectangular Beams, David J. Just and William J. Walley, ST9:Sept 79: 1789:14845
Ultimate Torque of Reinforced Rectangular Beams, Madhusudan Chakraborty, ST3:Mar 79:653:14466

Torsional Oscillations
Dynamic Torsional Response Of Symmetric Structures, Pradip K. Syamal and O. A. Pekau, EM81:Jan 81:902

Torsional Vibration
Torsional Vibration Tests on Embedded Footings, K. S. Sankaran, N. R. Krishnaswamy and P. G. Bhaskaran Nair, TN: GT3:Mar 80:325:15262

Torts
Liability Implications for Low Volume Rural Highways, Melvin B. Larsen, TE6:Nov 80:803: 15844
Liability in Traffic and Highway Operations, Sheldon I. Pivnik, TE4:July 79:373:14701
Tort Liability and the Highway Engineer, Jack B. Humphreys, HW80:Mar 80:249
Tort Liability as a Safety Incentive, James J. Stapleton, HW80:Mar 80:256

Total Stress
Cam-Clay Predications of Undrained Strength, Paul W. Mayne, GT11:Nov 80:1219:15816
Pore-Pressure Dissipation During Excavation, Ayed E. Osaimi and G. Wayne Clough, GT4:Apr 79:481: 14509

Toughness
Determination of Fracture Toughness of Concrete, M. M. Kim, Hon-Yim Ko and Kurt H. Gerstle, FIC:Oct 80:1
Evaluation of Fracture Techniques in Cementitious Composites, K. Visalvanich and Antoine E. Naaman, FIC:Oct 80:65
Railroad Ballast Load Ranking Classification, Gerald Patrick Raymond and Vishnu A. Diyaljee, GT10: Oct 79:1133:14900

Tourism
Honolulu International Airport Groundside Plan, Edward C. Stevenson and Julian Ng, MGC:July 80: 212
The Japanese Travel Market, Kaysuya Nohara, MGC:July 80:28
Making TheBus Better, Walter Kudlick, Akira Fujita, Howard Takara and Robert R. Way, MGC:July 80: 332
Multidimensional Scaling in Recreational Planning, John E. Praskey, R. Keith Weaver, Edward A. McBean and Keith William Hipel, WR1:Mar 80:61: 15275

Towers
Buckling Stresses of Stiffened Hyperboloidal Shells, Ihsan Mungan, ST8:Aug 79:1589:14775
Cable Spring Constants for Guyed Tower Analysis, Richard A. Skop, ST7:July 79:1307:14675
Concrete Microwave Tower is Award Winner, Leonard Hayet and Franklin Z. Glickman, CE:Apr 79:62
Cyclic Inelastic Buckling of Thin Tubular Columns, Egor P. Popov, Victor A. Zayas and Stephen A. Mahin, ST11:Nov 79:2261:14982
Damping Measurements Of Tall Structures, George T. Taoka, EM81:Jan 81:308
Guyed Towers Under Arbitrary Loads, Felix Rosenthal and Richard A. Skop, ST3:Mar 80:679: 15247
Hybrid Cooling System Thermodynamics and Economics, Arthur R. Giaquinta, Thomas E. Croley, II and Tai-Dan Hsu, EY1:Apr 80:89:15319
Motion Analysis of Articulated Tower, Subrata K. Chakrabarti and Dennis C. Cotter, WW3:Aug 79: 281:14766
Natural Frequency of Timoshenko Beam on Flexible Base, Anestis P. Papadopoulos and David M. Trujillo, EM2:Apr 80:307:15311
Power Line Stresses Environmental Concern, Nelson W. Plummer, CE:Jan 80:86
Reliability of Existing Transmission Line Towers, John D. Mozer and John A Hribar, Preprint No.80-593, Oct 80, 15pp.
Stability of Guyed Towers, Alexander Chajes and Wen-Sen Chen, ST1:Jan 79:163:14327
Stressing of Transmission Tower Peak by Lighting, Thazhath Veettil Gopalan, EY1:Jan 79:103:14328
Structural Analyses and Tests of Portable Mast, Bharat B. Joshi and Chandrahas S. Gurujee, ST2: Feb 79:437:14399
Transmission Line Structural Testing: Dynamic/ Static, Leon Kempner, Jr., Richard C. Stroud and Strether Smith, Preprint No.80-041, Apr 80, 19pp.
Transverse Motion of Articulated Tower, Subrata K. Chakrabarti and Dennis C. Cotter, WW1:Feb 80:65: 15178

Towing
Tugs as Aids to the Safety of Tankers and Ports, James A. Atkinson, PO80:May 80:584

Toxemias of Pregnancy
Craze-Yielding Structural Plastics: Toughness Measurement, Ray D. Hoffman, TC2:Dec 79:271: 15038

Toxicity
Air Pollution Aspects of Land Disposal of Toxic Wastes, Thomas T. Shen and T. James Tofflemire, EE1:Feb 80:211:15213
Engineering Design Variables for the Activated Sludge Process, Lloyd W. Weller, Chmn., EE3:June 80:473:15509
Environmental Engineering Research Needs, CE:Oct 79:63
EPA Goes to BAT Against Toxic Industrial Wastewater, Michael J. Bartos, Jr., CE:Sept 79:87
How New Jersey is Handling Its Hazardous Wastes, CE:Sept 79:81
Installation Restoration—An Army Initiative, Frank A. Jones, Jr., Donald K. Emig and John P. Glennon, EE80:July 80:571
Location and Remediation of Abandoned Hazardous Wastes Sites, Norman H. Nosenchuck, EE80:July 80:560
Modeling Effects of Environmental Stresses due to Industrial Wastes on Gas Production by Landfill Sediments, S. Roychowdhury, L. Y. Young, D. Cox, J. Powers, J. Sharkey and M. Levandowsky, EE80:July 80:75
Modeling of PCB Fate in the Hudson River System, Robert V. Thomann, Paul C. Pacquin and James J. Fitzpatrick, EE80:July 80:130
Modeling Toxicity in Methane Fermentation Systems, Gene F. Parkin and Richard E. Speece, EE80:July 80:288
Municipal/Industrial Waste Landfill Simulators, James J. Walsh, Riley N. Kinman and Nancy S. Neely, EE80:July 80:62
Persistence of Chlorine in Cooling Water from Electric Generating Station, G. Fred Lee, EE4:Aug 79:757:14777
Toxic Chemicals in New Jersey's Environment: Cancer Link?, Eugene E. Dallaire, CE:Sept 79:74

Toxic Waste Disposal
Air Pollution Aspects of Land Disposal of Toxic Wastes, Thomas T. Shen and T. James Tofflemire, EE1:Feb 80:211:15213
Will EPA Relax Its Mandatory Secondary Treatment Requirement?, Eugene E. Dallaire, CE:June 79:88

Trace Elements
Ground-Water Quality at Rapid Infiltration Site, James V. Olson, Ronald W. Crites and Paul E. Levine, EE5:Oct 80:885:15768
Hydraulic Analysis of Model Treatment Units, Frederick L. Hart and Santosh K. Gupta, EE4:Aug 78:785:13955

Trace Organics Removal by Advanced Waste Treatment, Martin Reinhard, Carla J. Dolce, Perry L. McCarty and Dave G. Argo, EE4:Aug 79:675: 14760

Tracking
General Approach to Active Structural Control, Mohamed Abdel-Rohman and Horst H. Leipholz, EM6:Dec 79:1007:15047

Tractive Forces
Sediment-Morphology Relations of Alluvial Channels, Waite R. Osterkamp, IRKB:July 80:188

Traffic
Air Terminal Design: Decentralization and Shape, John P. Braaksma and W. Alex Ramsay, TE6:Nov 79:699:14945
Flow Optimization on a Transportation Network, William J. Dunlay, Jr. and Nicolau D.F. Gualda, TE1:Jan 79:41:14285
Freeway Surveillance and Control in Chicago Area, Joseph M. McDermott, TE3:May 80:333:15436
Port Planning and Economic Development, Daniel P. O'Halloran, PO80:May 80:47
Signal Timing Selection for Critical Intersections, Panos G. Michalopoulos and Stephen E. Meyer, TE3:May 80:265:15399
Simulation Program for Signalized Intersection, James E. Clark, TC1:Apr 79:163:14537
Stamford's Urban Renewal Project Takes Off, Eugene E. Dallaire, CE:Apr 79:82
Time Series Models for Freeway Incident Detection, Samir A. Ahmed and Allen R. Cook, TE6:Nov 80: 731:15805
The Vehicle Operator in the Safety Equation, Elmer Brown, HW80:Mar 80:29
Weighting of Factors in Environmental Evluation, Naojiro Aoshima and Shogo Kawakami, UP2:Nov 79:119:14952

Traffic Accident Analysis
Summary of Commissioner G. B. Craig's Remarks, G. B. Craig, HW80:Mar 80:215
Traffic Conflict Technique in Tainan, Taiwan, James Yao-Ching Chang, TE1:Jan 80:99:15153

Traffic Accidents
A Problem Identification and Evaluation System, David B. Brown, HW80:Mar 80:61
Recent Developments in Automated Accident Location Systems, James D. Decker and Robert W. Hawkins, Preprint No.80-620, Oct 80, 13pp.

Traffic Analysis
Liability in Traffic and Highway Operations, Sheldon I. Pivnik, TE4:July 79:373:14701
Rules of Thumb for Transportation/Air Quality Alternatives Analysis, Martin H. Weiss, CAAA: Nov 79:259

Traffic Assignment
Traffic-Assignment Techniques for Smaller Cities, Robert L. Smith, Jr. and Thomas S. Brennan, TE1: Jan 80:85:15123

Traffic Capacity
Highway Design Criteria: Problems and Projections, Graeme D. Weaver, C. V. Wootan and Donald L. Woods, HW80:Mar 80:38

Traffic Characteristics
Captivity and Choice in Travel-Behavior Models, Peter R. Stopher, TE4:July 80:427:15566
Intra-CBD Travel Patterns of Downtown Workers, Murthy V.A. Bondada, Preprint No.80-655, Oct 80, 13pp.
The 55-mph Speed Limit: A Review, John G. Kunna, TE3:May 80:299:15404

Traffic Conflicts
Traffic Conflict Technique in Tainan, Taiwan, James Yao-Ching Chang, TE1:Jan 80:99:15153

Traffic Congestion Costs
First U.S. Van Pool — Big Success, Ann E. Seltz-Petrash, CE:Nov 79:76

Traffic Control
Flood Emergency Evacuation Plans, Ronald E. Hilton, HYUS:June 80:56
Freeway Surveillance and Control in Chicago Area, Joseph M. McDermott, TE3:May 80:333:15436
Microprocessor Traffic Controllers, Joseph Roehl, CP80:June 80:548
Neighborhood Traffic Controls, Martin E. Lipinski, TE3:May 79:213:14558
Signal Timing Selection for Critical Intersections, Panos G. Michalopoulos and Stephen E. Meyer, TE3:May 80:265:15399
Time Series Models for Freeway Incident Detection, Samir A. Ahmed and Allen R. Cook, TE6:Nov 80: 731:15805
Traffic Signal Transition in Computerized Systems, C. John Macgowan, CP80:June 80:505
TSM Measures for Major Activity Centers, Michael A. Kennedy and Walter Kudlick, TE5:Sept 79:499: 14830
Winter Roads and Ice Bridges, Ligouri M. Lefebvre, CE:Dec 79:54

Traffic Control Devices
Work Zone Safety, Johnny R. Dahl, HW80:Mar 80: 242

Traffic Control Installation
The Fly-Over: It Unclogs Urban Traffic in A Hurry, William W. Pleasants, CE:May 80:71

Traffic Delay
Energy Conservation through Arterial Improvements, Marchiz Petreanu and James J. Schuster, TE5:Sept 79:535:14847
The Fly-Over: It Unclogs Urban Traffic in A Hurry, William W. Pleasants, CE:May 80:71
New Columbia River Bridge Will Ease Traffic Problems, CE:Mar 80:83

Traffic Engineering
Bring Traffic Engineering to Southwest Kansas, Roy C. Loutzenheiser, Preprint No.80-583, Oct 80, 13pp.
Examples of Good Local Programs—Oakland Co., Mich., Bruce B. Madsen, HW80:Mar 80:190
Liability in Traffic and Highway Operations, Sheldon I. Pivnik, TE4:July 79:373:14701

Traffic Flow
Midtown Manhattan Circulation and Surface Transit Study and Demonstration Project, Walter H. Kraft and Samuel I. Schwartz, Preprint No.80-156, Apr 80, 20pp.
Transportation/Air Quality Planning in Small Areas, Thomas P. Kozlowski and George Schoener, CAAA:Nov 79:306

Traffic Flow Patterns
Interactive Graphics: Stage II Special Applications, James O. Howell and David F. Sinton, SU80:June 80:54
Transportation/Air Quality Planning in Small Areas, Thomas P. Kozlowski and George Schoener, CAAA:Nov 79:306

Traffic Laws
Examples of Good Local Programs—Oakland Co., Mich., Bruce B. Madsen, HW80:Mar 80:190

Traffic Management
Examples of Good Local Programs—Oakland Co., Mich., Bruce B. Madsen, HW80:Mar 80:190
Freeway Surveillance and Control in Chicago Area, Joseph M. McDermott, TE3:May 80:333:15436
Implementing Highway Safety Improvements, Thomas A. Hall, Chmn., HW80:Mar 80
Preferential Treatment—What Lies Ahead, Morris J. Rothenberg, TE4:July 79:383:14705

Traffic Management Standards
Examples of Good Local Programs—Oakland Co., Mich., Bruce B. Madsen, HW80:Mar 80:190

Traffic Models
Captivity and Choice in Travel-Behavior Models, Peter R. Stopher, TE4:July 80:427:15566
Systematic Evaluation of Navigation in Harbors, Ronald K. Gress and John D. French, PO80:May 80:568

Traffic Planning
The Dade County On-Board Survey, Ira M. Sheskin, Gary S. Spivack and Peter R. Stopher, Preprint No.80-659, Oct 80, 13pp.

Traffic Safety
Citizen Participation in Traffic Safety, Richard F. Beaubien, Preprint No.80-582, Oct 80, 8pp.
Examples of Good Local Programs—Oakland Co., Mich., Bruce B. Madsen, HW80:Mar 80:190
Highway Safety Research and Implementation, Edwin M. Wood, HW80:Mar 80:207
Traffic Conflict Technique in Tainan, Taiwan, James Yao-Ching Chang, TE1:Jan 80:99:15153

Traffic Signal Controllers
Microprocessor Traffic Controllers, Joseph Roehl, CP80:June 80:548

Traffic Signals
Chicago's Computerized Traffic Control System, Ronald Q. Pool, TE4:July 79:401:14706
Microprocessor Traffic Controllers, Joseph Roehl, CP80:June 80:548

Traffic Signs
Effectiveness Evaluations—An Engineer's View, Harry E. Strate, HW80:Mar 80:71

Traffic Speed Volume Diagrams
Summary of Commissioner G. B. Craig's Remarks, G. B. Craig, HW80:Mar 80:215

Traffic Streams
Highway Design Criteria: Problems and Projections, Graeme D. Weaver, C. V. Wootan and Donald L. Woods, HW80:Mar 80:38

Traffic Surveillance
Time Series Models for Freeway Incident Detection, Samir A. Ahmed and Allen R. Cook, TE6:Nov 80: 731:15805

Traffic Surveys
The Dade County On-Board Survey, Ira M. Sheskin, Gary S. Spivack and Peter R. Stopher, Preprint No.80-659, Oct 80, 13pp.
Hong Kong Comprehensive Transport Study (Abstract), Robert A. Hubbard, MGC:July 80:331
Making TheBus Better, Walter Kudlick, Akira Fujita, Howard Takara and Robert R. Way, MGC:July 80: 332
Mode Choice Models with Perceived Reliability Measures, Joseph N. Prashker, TE3:May 79:251: 14569

Traffic Volume
Railroad Electrification in the Pacific Area, Willard D. Weiss, MGC:July 80:117

Training
Computer-Aided Design in the Corps, N. Radhakrishnan, CP80:June 80:571
Graduating Engineers: 1930/1980, Philip V. Di Vietro, CE:Oct 80:126
Tips for Training Workers in the Development World, Richard H. Wall, CE:Dec 80:65
Work Zone Safety, Johnny R. Dahl, HW80:Mar 80: 242

Transfer Facilities
Transferability of Demand Estimation Procedures, Jere J. Hinkle, TE4:July 80:369:15545

Transfer Functions
A Predictive Model of Hurricane Wind-Waves, Rodney J. Sobey and Ian R. Young, HYCO:Aug 80:333
Response of Tunnels to Incident SH-Waves, Vincent W. Lee and Mihailo D. Trifunac, EM4:Aug 79:643: 14749
Tall Building Response to Earthquake Excitations, Jann-Nan Yang, Y. K. Lin and S. Sae-Ung, EM4: Aug 80:801:15642
Transfer Coefficients in Stratified Channel Flow, Richard H. French, HY9:Sept 79:1087:14808

Transformations
Flood Analysis by Smemax Tranformation - A Review, Kuppuswamy Venugopal, TN: HY2:Feb 80:338:15165
Flood Frequency Analysis by Power Transformation, Subhash Chander, S. K. Spolia and Arun Kumar, HY11:Nov 78:1495:14179

Transient Flow
Graphics for Hydraulic Transients Simulation, Peter Shanahan and Brendan M. Harley, CP80:June 80: 27
Moisture and Air Flow in an Unsaturated Soil, V. Dakshanamurthy and D. G. Fredlund, SLS:June 80: 514

Transient Response
Dynamic Response With Foundation Interaction, Timothy O. Weaver, Furman W. Barton and Richard T. Eppink, EM81:Jan 81:252
Structural Damping In The Time Domain, Allen J. Bronowicki, EM81:Jan 81:833
Transient Analysis for Shallow Cooling Ponds, E. Eric Adams and Antonis D. Koussis, EY2:Oct 80: 141:15737

Transients
Development of Makeup-Line Safe-Operating Criteria, Peter K. Su and Irving Joseph, HY2:Feb 80:269:15183
Simulation of Transient Supercritical Channel Flow, Jerome J. Zovne and C. Samuel Martin, HY7:July 79:859:14708

Transition Points
Food and Agricultural Policies, Earl O. Heady, WR1: Mar 79:151:14415

Transits
Layout Techniques for Little Blue Run Dam, Duane R. Church, SU1:Nov 79:1:14946

Transit Systems
Applicability of Joint Development Tools in Detroit, Kenneth S. Opiela, Snehamay Khasnabis and Ronald G. Arbogast, UP1:Nov 80:71:15861
Atlanta's New Airport Terminal—One Year Early, Within Budget, CE:Nov 80:54

Translator Routines
Translating Problem-Oriented Languages, Daniel R. Rehak and Leonard A. Lopez, TC1:Apr 79:33: 14504

Transmission Lines
Behavior of Rigid Piers in Layered Cohesive Soils, Nabil F. Ismael and Tony W. Klym, GT8:Aug 78: 1061:13969
Environmental Optimization of Power Lines, Spyros Economides and Manijeh Sharifi, EE4:Aug 78:675: 13951
Reliability of Existing Transmission Line Towers, John D. Mozer and John A Hribar, Preprint No.80-593, Oct 80, 15pp.
Stressing of Transmission Tower Peak by Lighting, Thazhath Veettil Gopalan, EY1:Jan 79:103:14328
Transmission Line Structural Testing: Dynamic/ Static, Leon Kempner, Jr., Richard C. Stroud and Strether Smith, Preprint No.80-041, Apr 80, 19pp.

Transmission Line Surveys by Analytical Stereoplotter, Kirk E. Williams and Wallace C. Wilson, Preprint No.80-108, Apr 80, 16pp.
Uplift and Bearing Capacity of Short Piers in Sand, Nabil F. Ismael and Tony W. Klym, GT5:May 79: 579:14568
Why Does the Public Resist High-Voltage Power Lines?, CE:Jan 80:88

Transmission Towers
The Behavior of Steel Rocket Shaped Pile, Peter Y. Lee and Lawrence W. Gilbert, GTDF:80:253

Transpiration
Soil Moisture and Snowpack after Clearcutting, George E. Hart and David A. Lomas, IRKB:July 80:311

Transportation
Air Terminal Design: Decentralization and Shape, John P. Braaksma and W. Alex Ramsay, TE6:Nov 79:699:14945
An Analysis of Areawide TSM/Air Quality Actions, Tom K. Ryden and Stephen M. Howe, CAAA:Nov 79:169
Application of POA to Transshipment Terminals, A. T. Yu and Daniel Mahr, PO80:May 80:126
Data Base Development at Maryland DOT, Dennis R. Atkins, CP80:June 80:363
Design Today for Tomorrow, Linda L. Gerbode, PO80:May 80:186
Flow Optimization on a Transportation Network, William J. Dunlay, Jr. and Nicolau D.F. Gualda, TE1:Jan 79:41:14285
Honolulu Mass Transit — Past, Present, and Future, Robert R. Way, MGC:July 80:396
Load Response of Transportation Support Systems, Lutfi Raad and Jose L. Figueroa, TE1:Jan 80:111: 15146
LOOP: Delivering Oil Where It's Needed, William B. Read, PO80:May 80:163
Paratransit in Developing Countries, Sigurd Grava, MGC:July 80:278
Population and Economic Data in Transit Analysis, Katrin Parker-Simon and Robert E. Paaswell, UP1: Nov 80:43:15827
Proposed Right-of-Way Policy, William T. Wambach, Jr., Chmn., SU1:Nov 79:35:14956
Recent Design and Construction of Cargo Wharves, Robert R. Adams, MGC:July 80:75
Reducing Costs in Urban Transportation Construction, John W. Fondahl, Boyd C. Paulson, Jr. and Henry W. Parker, CO1:Mar 79:51:14406
Rules of Thumb for Transportation/Air Quality Alternatives Analysis, Martin H. Weiss, CAAA: Nov 79:259
Service Quality Implications of Transbus, Steven E. Polzin and Joseph L. Schofer, TE5:Sept 79:561: 14862
Simplified Modeling of Transit Corridors, Uzi Landau and Yaron Fedorowicz, TE1:Jan 80:71:15103
A Structural Resource Management System, Daniel C. Kaufman, CP80:June 80:369
Transportation Engineering Research Needs, CE:Nov 79:89
Transportation for Urban Recreation, Arnold H. Vollmer, Preprint No.80-634, Oct 80, 5pp.
Transportation Planning for Southwest Alaska, Walter T. Downs, MGC:July 80:256
The Use of Photochemical Grid Models to Analyze Transportation Actions, Martin H. Weiss, CAAA: Nov 79:322

Transportation Management
Economic Analysis of Control Measures, Tymen W. Hofflander, CAAA:Nov 79:270
Improving Parking Efficiency through TSM, Larry John Matel, TE1:Jan 80:11:15131
Quantifying Emission Impacts of High Occupancy Vehicles, Frank C. Yu, CAAA:Nov 79:294
Rules of Thumb for Transportation/Air Quality Alternatives Analysis, Martin H. Weiss, CAAA: Nov 79:259
Sensitivity and Sensibility in Air Quality Models, Michael L. Hatmaker, CAAA:Nov 79:250
Transportation Air Quality Planning — The Twin Cities Approach, Raymond W. Thron and David Braslau, CAAA:Nov 79:215
Transportation Controls to Promote Air Quality: The San Francisco Bay Area Experience, Vincent Petrites, CAAA:Nov 79:179
Transportation System and Control Measure Analysis of Air Quality Alternatives — The Los Angeles Basin Experience, David D. Knight and James D. Kellar, CAAA:Nov 79:189
TSM Measures for Major Activity Centers, Michael A. Kennedy and Walter Kudlick, TE5:Sept 79:499: 14830

Transportation Models
Dispersion Modeling in Time and Two Dimensions, Jonathan F. Henry and Edward G. Foree, EE6:Dec 79:1131:15054
Transportation in A Socio-Physical Planning Model, Donald Wolbrink and Ellsworth B. Narris, MGC: July 80:237

Transportation Networks
Earthquake Engineering for Transportation Lifelines, James H. Gates, C080:80:166
Flow Optimization on a Transportation Network, William J. Dunlay, Jr. and Nicolau D.F. Gualda, TE1:Jan 79:41:14285

Transportation Planning
An Analysis of Areawide TSM/Air Quality Actions, Tom K. Ryden and Stephen M. Howe, CAAA:Nov 79:169
Anchorage's Response to the 1977 Clean Air Act Amendments, Leif G. Anderson and A. Reed Gibby, CAAA:Nov 79:20
Atlantic City Gambles on Transportation, Walter Cherwony, Donna K. Silverman and Frank A. Zabawski, Preprint No.80-565, Oct 80, 12pp.
Baltimore: Public Involvement as Part of Planning, Sandra S. Lippman, CAAA:Nov 79:369
Choosing Objectives in Transportation Planning, Philip H. Byer and David Saunders, TE1:Jan 79:91: 14307
Comments on the Federal-Local Partnership in Transportation Air Quality Planning, Paul F. Maxwell, CAAA:Nov 79:33
Direct Cost/Revenue Shortfalls in Transportation, S. David Phraner and Victor Gulewicz, UT79A:July 79:60
Environmental Planning for Transportation Systems, Richard B. Howell and Celia M. Howell, MGC:July 80:208
Highway Safety: Pyrrhic Victory, Sally Free, HW80: Mar 80:87
Highways; Urban Transportation, CE:Jan 80:97
The Impact of EIS Requirements of Hawaii's Transportation Programs, Ryokichi Higashionna, MGC:July 80:204
Including Air Quality in Transportation Decisions, John J. Roark, CAAA:Nov 79:37
Integration of Air Quality and Transportation Planning, Norman L. Cooper and John O. Hidinger, CAAA:Nov 79:56
Land Data Systems for Transport Planning in Undeveloped Areas, Andrew C. Lemer and Robert W. Felsburg, SU80:June 80:129
Making TheBus Better, Walter Kudlick, Akira Fujita, Howard Takara and Robert R. Way, MGC:July 80: 332
Matrix Management for Transportation Projects, Carl W. Goepfert, MGC:July 80:350
Modeling for a Freight Transport Planning System, Yi-Chin Hu and Ralph D. Johnson, CP80:June 80: 497
Multi-Modal Transportation in Hawaii, E. Alvey Wright, MGC:July 80:1
Optimizing Joint Development at Transit Stations, Ronald G. Arbogast, Snehamay Khasnabis and Kenneth S. Opiela, TE5:Sept 80:539:15709
Participation in Transportation — Air Quality Plans, Betty McCarty, CAAA:Nov 79:375

Planning for Transportation Control Measures in Washington, Philadelphia, Baltimore and Pittsburgh, Philip Shapiro, David Dunlap, John Claffey and Bruce Haultman, CAAA:Nov 79:43
Pricing and Revenue Yield, William H. Crowell, UT79A:July 79:144
Project Management — Pulling It All Together, James L. Lammie and D. P. Shah, TE4:July 80:437: 15523
The Puget Sound Air Quality Planning Process, Brent Carson and Max S. Power, CAAA:Nov 79: 382
The San Diego Regional Coastal Access Study, Dennis A. Prescott, CZ80:Nov 80:1662
Strategy Evaluation — Minnesota Small Urban Areas, Katheryn Briscoe, CAAA:Nov 79:11
Traffic-Assignment Techniques for Smaller Cities, Robert L. Smith, Jr. and Thomas S. Brennan, TE1: Jan 80:85:15123
The Transportation — Air Quality Planning Process, Gerard Soffian, John Filippelli and John C. Cosby, CAAA:Nov 79:126
Transportation/Air Quality Planning in Small Areas, Thomas P. Kozlowski and George Schoener, CAAA:Nov 79:306
Transportation Controls to Promote Air Quality: The San Francisco Bay Area Experience, Vincent Petrites, CAAA:Nov 79:179
Transportation Needs - Northern Mariana Islands, Robert B. Deadwyler, Sr., MGC:July 80:268
Transport Planning on Both Sides of the Pacific, Robert S. Nielson, MGC:July 80:248
TSM Planning for Fringe Parking Transit, Kenneth W. Wester and Michael J. Demetsky, TE3:May 79: 279:14562
The Use of B&W and C.I.R. Photography at M.D.O.T., Robert R. Green, AS80:Aug 80:140

Transportation Pricing

Pricing and Revenue Yield, William H. Crowell, UT79A:July 79:144

Transportation Studies

The AAP: A Package of Arterial Analysis Programs, Gary Euler, Ken Courage and Steve Shapiro, CP80: June 80:560
Application of MIS for Transportation Agencies, Neal X. Jones, CP80:June 80:379
Hong Kong Comprehensive Transport Study (Abstract), Robert A. Hubbard, MGC:July 80:331
Planning for Transportation Control Measures in Washington, Philadelphia, Baltimore and Pittsburgh, Philip Shapiro, David Dunlap, John Claffey and Bruce Haultman, CAAA:Nov 79:43
Singapore Mass Transit Study (Abstract), Robert A. Hubbard, MGC:July 80:313

Transportation System Costs

Direct Costs of Highway Travel, Kiran U. Bhatt, UT79A:July 79:19
Freight Pipeline, Rail, and Truck Cost Comparison, Iraj Zandi, John A. Warner and Ronald Mersky, TE4:July 79:411:14703
The Role of Deepwater Ports: The Texas Experience, C. Michael Walton, PO80:May 80:73

Transportation System Financing

Future Prospects in Transportation Finance, Joseph R. Stowers and Carolyn Frank, UT79A:July 79:256

Transportation Systems

The AAP: A Package of Arterial Analysis Programs, Gary Euler, Ken Courage and Steve Shapiro, CP80: June 80:560
Hong Kong Comprehensive Transport Study (Abstract), Robert A. Hubbard, MGC:July 80:331
Improved Local Resource Allocation, Jack L. Jensen, UT79A:July 79:179
Improving Parking Efficiency through TSM, Larry John Matel, TE1:Jan 80:11:15131
Lifeline Economics and Hazard Mitigation, Le Val Lund, C080:80:78
Lifeline Seismic Risk: Decisions Under Uncertainty, Irving J. Oppenheim, C080:80:218
Modal Split Model Considering Carpool Mode, Richard W. Lyles, TE2:Mar 79:149:14423
Modeling for a Freight Transport Planning System, Yi-Chin Hu and Ralph D. Johnson, CP80:June 80: 497
Pivot Point Modeling Procedures in Demand Estimation, Ashok Kumar, TE6:Nov 80:647:15809
The San Diego Light Rail Story, John A. Coil, MGC: July 80:301
Transportation Planning for Southwest Alaska, Walter T. Downs, MGC:July 80:256
A Transportation System Optimization Model, Paul M. Schonfeld, CP80:June 80:530
TSM Measures for Major Activity Centers, Michael A. Kennedy and Walter Kudlick, TE5:Sept 79:499: 14830

Transport Phenomena

A Solute Transport Model for Tidal Canal Networks, Raymond Walton and Bent A. Christensen, HYUS: June 80:142

Transverse Strength

Skewed Bridges with Intermediate Transverse Bracings, M. Sherif Aggour and M. Shafik Aggour, ST8:Aug 79:1621:14782

Transverse Waves

Transverse Mixing Tests in Natural Streams, Spyridon Beltaos, HY10:Oct 80:1607:15731

Trap Efficiency

Compartmented Sediment Trap, Peter J. Murphy and Magdy I. Amin, HY5:May 79:489:14577

Trapezoidal Channels

Supercritical Flow in Bends of Trapezoidal Section, Charles W. Lenau, EM1:Feb 79:43:14369

Trashracks

Behavior of Auxiliary Intake of Ramganga Dam at Low Levels, Hari Mohan, Heramb D. Sharma, Dharam V. Varshney and Shivaraj S. Tiagi, HY7: July 77:753:13091

Travel Costs

The Japanese Travel Market, Kaysuya Nohara, MGC:July 80:28

Travel Demand

Airports of Micronesia - Airline Considerations, Clifford T. Argue, MGC:July 80:34
An Analysis of Areawide TSM/Air Quality Actions, Tom K. Ryden and Stephen M. Howe, CAAA:Nov 79:169
Captivity and Choice in Travel-Behavior Models, Peter R. Stopher, TE4:July 80:427:15566
Classification of Urban Areas for Travel Forecasting, Yupo Chan and Jossef Perl, TE5:Sept 79:513:14831
Gravity Model Based on Perceived Traveltimes, Jerry E. Bennett, TE1:Jan 80:59:15140
Hong Kong Comprehensive Transport Study (Abstract), Robert A. Hubbard, MGC:July 80:331
Land Data Systems for Transport Planning in Undeveloped Areas, Andrew C. Lemer and Robert W. Felsburg, SU80:June 80:129
Price Elasticities of Nonbusiness Air Travel Demand, Adib Kanafani, TE2:Mar 80:217:15294
Simplified Modeling of Transit Corridors, Uzi Landau and Yaron Fedorowicz, TE1:Jan 80:71:15103
Singapore Mass Transit Study (Abstract), Robert A. Hubbard, MGC:July 80:313
A Structural Resource Management System, Daniel C. Kaufman, CP80:June 80:369

Travel Modes

The Japanese Travel Market, Kaysuya Nohara, MGC:July 80:28
Modal Split Model Considering Carpool Mode, Richard W. Lyles, TE2:Mar 79:149:14423

Travel Patterns
Intra-CBD Travel Patterns of Downtown Workers, Murthy V.A. Bondada, Preprint No.80-655, Oct 80, 13pp.

Travel Time
The San Diego Light Rail Story, John A. Coil, MGC: July 80:301
Underground Travel of Renovated Wastewater, Robert C. Rice and Peter Raats, EE6:Dec 80:1079: 15912

Trays
Seismic Support: Speedy Determination of Frequency, Anil K. Kar, ST7:July 79:1289:14672

Trenches
Entrenchment of Sewage Sludge—a Disposal-Use Alternative, L. J. Sikora and D. Colacicco, CE:Apr 80:80
Nuclear Testing of Utility Trench Backfill, Vincent J. Perricelli, CE:Nov 79:68

Trenching
Best Ways to Dewater Dredged Material, T. Allan Haliburton, CE:Aug 79:57
Trenching of Digested Sludge, L. J. Sikora, N. H. Frankos, C. M. Murray and J. M. Walker, EE2:Apr 80:351:15310

Trends
Session IV—Non-Meteorologic Data, William R. Boggess, EFHYF:Mar 79:422
Trends in Engineer Registration—Sunset Review: How to Survive?, Donald A. Buzzell, Preprint No.80-508, Oct 80, 14pp.
Wetlands Regulations and Public Perceptions, Thomas M. Leschine and Stephen R. Cassella, CZ80:Nov 80:1789

Triangulation
The Use of B&W and C.I.R. Photography at M.D.O.T., Robert R. Green, AS80:Aug 80:140
Virtual Work Adjustment of Trilateration Nets, Naguib F. Danial, SU1:Nov 79:67:14955

Triaxial Compression
Strength and Deformability of Highly Fractured Rock, Jerome M. Raphael and Richard E. Goodman, GT11:Nov 79:1285:14988

Triaxial Shear
Liquefaction Potential: Science Versus Practice, Ralph B. Peck, GT3:Mar 79:393:14418

Triaxial Stresses
Constitutive Model for Short-Time Loading of Concrete, Niels Saabye Ottosen, EM1:Feb 79:127: 14375

Triaxial Tests
Anisotropic Undrained Stress-Strain Behavior of Clays, Jean-Herve Prevost, GT8:Aug 78:1075: 13942
Behavior of Destructured Natural Clays, Serge Leroueil, Francois A. Tavenas, Francoise Brucy, Pierre La Rochelle and Marius Roy, GT6:June 79: 759:14657
Creep Damage to Structures on Expansive Clay Slopes, Robert L. Lytton and Larry D. Dyke, SLS: June 80:284
Cyclic and Static Laboratory Tests on Drammen Clay, Knut H. Andersen, Jacobus H. Pool, Stephen F. Brown and Wim F. Rosenbrand, GT5:May 80: 499:15434
Cyclic Movements of Offshore Structures on Clay, Francis Dumas and Kenneth L. Lee, GT8:Aug 80: 877:15655
Cyclic Stress-Strain History and Shear Characteristics of Clay, Tamotsu Matsui, Hideo Ohara and Tomio Ito, GT10:Oct 80:1101:15776
Dynamic Properties of Frozen Silt Under Cyclic Loading, Ronald L. Czajkowski and Ted S. Vinson, GT9:Sept 80:963:15702
Dynamic Properties of Two Marine Clays, Demetrious C. Koutsoftas and Joseph A. Fischer, GT6:June 80:645:15499
Endochronic-Critical State Models for Sand, Roy Dangar and S. Nuh, EM5:Oct 80:951:15762
Factors Affecting Liquefaction and Cyclic Mobility, Gonzalo Castro and Steve J. Poulos, GT6:June 77: 501:12994
Generalized Stress-Strain Relations for Concrete, Michael D. Kotsovos and John B. Newman, EM4: Aug 78:845:13922
Hypothesis for Progressive Failure in a Marl, Spyros Cavounidis and Elias Sotiropoulos, GT6:June 80: 659:15505
Hysteretic Fracturing Endochronic Theory for Concrete, Zdenek P. Bazant and Ching-Long Shieh, EM5:Oct 80:929:15781
Liquefaction Study of Cemented Sand, Sam Frydman, David Hendron, Harry Horn, Joav Steinbach, Rafael Baker and Benzion Shaal, GT3: Mar 80:275:15289
Membrane Penetration and Its Effect on Pore Pressures, Manfred Kiekbusch and Bernd Schuppener, GT11:Nov 77:1267:13331
Particle Contacts in Discrete Materials, Dimitri Athanasiou-Grivas and Milton E. Harr, TN: GT5: May 80:559:15432
Resilient Response of Two Frozen and Thawed Soils, Edwin J. Chamberlain, David M. Cole and Thaddeus C. Johnson, GT2:Feb 79:257:14398
Shear Strength and Swelling of Clays Under Suction, Amos Komornik, Moshe Livneh and S. Smucha, SLS:June 80:206
Stress-Path Influence on Drained Deformations of Clay, Chitta R. Gangopadhyay, Subhas C. Das and Nitin N. Som, GT11:Nov 80:1243:15807

Trickle Irrigation
Optimization of Salinity Control in Grand Valley, Wynn R. Walker, Gaylord V. Skogerboe and Robert G. Evans, IR1:Mar 79:15:14455
Reducing Salt Pickup from Irrigated Lands, Wynn R. Walker, Gaylord V. Skogerboe and Robert G. Evans, IR1:Mar 79:1:14454
Stormwater and Reclaimed Effluent in Trickle Irrigation, Gideon Oron, Gedaliah Shelef and Benjamin Zur, IR4:Dec 80:299:15906
Trickle Irrigation Using Treated Wastewaters, Gideon Oron, Gedaliah Shelef and Berta Turzynski, IR2: June 79:175:14611

Trickling Filters
Efficiences of Advanced Waste Treatment Obtained with Upgraded Trickling Filters, Dan P. Morris, Denny S. Parker, Marvin L. Daniels and Eben L. Owens, CE:Sept 80:78
Environmental Problems and Products, Philip V. DiVietro, CE:Sept 79:94
Shock Load Attenuation by a Trickling Filter, Echol E. Cook and Leland P. Herning, EE3:June 78:461: 13814

Trip Distribution Models
Gravity Model Based on Perceived Traveltimes, Jerry E. Bennett, TE1:Jan 80:59:15140

Trip Forecasting
Trip-Based Analysis of Auto Emissions, Greig Harvey, CAAA:Nov 79:225

Trip Frequencies
Packaging Transportation Measures for Air Quality, John H. Suhrbier, CAAA:Nov 79:138

Trophic Level
Lake Process Models Applied to Reservoir Management, Wesley L. Bradford and David J. Maiero, EE5:Oct 78:981:14100
Monitoring on Wilderness Water Quality, Gordon Snyder, IRKB:July 80:504
The Operational Use of Landsat for Lake Quality Assessment, Frank L. Scarpace and Lawrence T. Fisher, AS80:Aug 80:88

Trophic State of LaFarge Reservoir, John R. Kiefer, EE6:Dec 79:1095:15040

Tropical Cyclones
Hurricane Wind Speeds in the United States, Martin E. Batts, Larry R. Russell and Emil Simiu, ST10: Oct 80:2001:15744
Northeaster Model and Application to Coastal Flooding, Yun Jui Tsai, D. M. Crocker, T. J. Burda and Fang-Kuo Chou, HYUS:June 80:255
Tropical Storm Surge Forecasting in the National Weather Service, Chester P. Jelesnianski, EFHYF: Mar 79:65

Tropical Regions
Amazon Basin Hydrometeorology, Allen T. Hjelmfelt, Jr., HY6:June 78:887:13825

Trucks
Economic Effect of Heavy Trucks on Highways, C. Michael Walton and Dock Burke, MGC:July 80: 105
Energy Conservation Through Improved Aerodynamics, Frank T. Buckley, Jr., MGC:July 80:160
Heavy Trucks—How Much Damage to Pavements?, CE:Nov 79:64
Weigh-in-Motion System Using Instrumented Bridges, Fred Moses, TE3:May 79:233:14566

Truck Specifications
Modeling for a Freight Transport Planning System, Yi-Chin Hu and Ralph D. Johnson, CP80:June 80: 497

Trusses
Bolted Truss Connections of Rectangular Steel Tubes, Peter C. Birkemoe and P. W. Olynyk, Preprint No.80-053, Apr 80, 22pp.
BRANDE IV — A Bridge Analysis System, William C. McCarthy, Kenneth R. White and John Minor, CP80:June 80:461
Bridge Analysis and Rating System, Hasmukh M. Lathia, TC1:Apr 79:211:14538
Bridge Modal Indentification Problems, Gerard C. Pardoen, Athol J. Carr and Peter J. Moss, EM81: Jan 81:29
Computation of Non-Unique Elastic-Plastic Trusses, David L. White and Philip G. Hodge, Jr., Preprint No.80-510, Oct 80, 14pp.
Design of Counterstressed Cable Structures, Dennis Clarke, ST11:Nov 80:2259:15794
Force Limiting Devices in Space Trusses, Lewis C. Schmidt and Ariel Hanaor, ST5:May 79:939:14589
Geometric Optimization Using Simple Code Representation, William R. Spillers and George E. Kountouris, ST5:May 80:959:15396
In House Preprocessors for ICES STRUDL, John G. Janssen and Edward T. Manning, Jr., CP80:June 80:670
Limit Truss Analysis by Linear Programming Techniques, Jun Wai Lee and H. Gordon Jensen, Preprint No.80-006, Apr 80, 22pp.
Mathematical Modelling of Indeterminate Trusses, Vernon Charles Matzen and Joseph Earlton Hardee, EM81:Jan 81:687
Member Post-Buckling Behavior and Space Truss Progressive Collapse, Erling A. Smith, Preprint No.80-665, Oct 80, 13pp.
Notched Trusses Give Low-Cost Conversion of Hangars for Jumbo Jets, Edward H. Strand and Stephen H. Barnes, CE:June 80:88
Post-Buckling Behavior under Mode Interaction, Antonio J. Reis and John Roorda, EM4:Aug 79: 609:14744
Prestress of Truss and Frame Structures, Jan Holnicki-Szulc, ST3:Mar 79:601:14462
Primal and Dual Methods in Structural Optimization, C. Fleury and Lucien A. Schmit, ST5:May 80:1117: 15431
Progressive Collapse in the Hartford Space Truss, Erling A. Smith and Howard I. Epstein, Preprint No.80-062, Apr 80, 13pp.
Seismic Analysis of Fossil-Fuel Boiler Structures, T. Y. Yang and M. I. Baig, ST12:Dec 79:2511:15063
Shape Optimization of Trusses, M. P. Saka, ST5:May 80:1155:15437
Slack-Elasto-Plastic Dynamics of Cable Systems, David Chia-Chiun Ma, John W. Leonard and Kuang-Han Chu, EM2:Apr 79:207:14508
Space Truss Design in Inelastic Range, Lewis C. Schmidt, Peter R. Morgan and John A. Clarkson, TN: ST12:Dec 78:1915:14201
Space Truss Studies with Force Limiting Devices, Ariel Hanaor and Lewis C. Schmidt, ST11:Nov 80: 2313:15808
Structural Analyses and Tests of Portable Mast, Bharat B. Joshi and Chandrahas S. Gurujee, ST2: Feb 79:437:14399
Structural Analysis on Microcomputers, Craig M. Bennett, Jr. and Barry J. Goodno, CP80:June 80: 488

Tsunamis
Spectral Wave Set-up and Run-up, F. H.Y. Wu, J. Ian Collins and David J. Divoky, HYUS:June 80: 327

Tubes
Analysis of Fabricated Tubular Columns, Shouji Toma and Wai F. Chen, ST11:Nov 79:2343:14994
Behavioral Study of Circular Tubular Beam-Columns, Donald R. Sherman, Hacik Erzurumlu and Wendelin H. Mueller, ST6:June 79:1055:14627
Bolted Truss Connections of Rectangular Steel Tubes, Peter C. Birkemoe and P. W. Olynyk, Preprint No.80-053, Apr 80, 22pp.
Comparative Study of Residual Stress Effects on Failure Loads of Welded Circular Tubes, Wendelin Barrett, W. H. Mueller and Hacik Erzurumlu, Preprint No.80-112, Apr 80, 20pp.
Concrete Filled Structural Plastic Columns, Carl E. Kurt, ST1:Jan 78:55:13478
Cyclic Inelastic Buckling of Thin Tubular Columns, Egor P. Popov, Victor A. Zayas and Stephen A. Mahin, ST11:Nov 79:2261:14982
Hydraulics of Microtube Emitters, Krishanlal C. Khatri, I-Pai Wu, Harris M. Gitlin and Allan L. Phillips, IR2:June 79:163:14613

Tugboats
Alyeska — Crude Loading Port, Ernest W. Brumitt and David G. Dixon, PO80:May 80:218
Tugs as Aids to the Safety of Tankers and Ports, James A. Atkinson, PO80:May 80:584

Tuning
Dynamic Analysis of Equipment-Structure Systems, Jerome L. Sackman and Armen Der Kiureghian, EM81:Jan 81:731
Transient Analysis of Light Equipment in Structures, Jerome L. Sackman and J. M. Kelly, EM81:Jan 81: 723

Tunnel Construction
Faults in Swedish and American Tunnel Practice: A Fable, Thomas R. Kuesel, CE:Jan 79:74
Field Study of Tunnel Prereinforcement, Gregory E. Korbin and Tor L. Brekke, GT8:Aug 78:1091: 13948
Subway Construction Costs: The Role of the Engineer, Robert S. O'Neil, CO4:Dec 80:447:15916

Tunneling
Construction Methods in Tunneling under a Railroad, Marcello H. Soto, CO3:Sept 77:317:13180
Underground Engineers gather at UTRC Meeting, CE:Oct 80:162

Tunneling (Excavation)
The Central Artery Project — Construction Techniques, Francis R. Sholock, TE2:Mar 80:205: 15284
Control of Construction Noise, Stan Potter and A. Paolillo, EE80:July 80:421
Earth Pressure Balanced Shield Tunneling, Shigeo Kurosawa, Preprint No.80-664, Oct 80, 12pp.

Earthwork Quantity Surveys at Damsites, Kevin B. Flynn, ASDC:80:124
Economic Potential of Tunnel Standardization, Delon Hampton and Terence G. McCusker, CO3:Sept 80: 247:15668
Executive Summary, W. Stell Huie, CRLS:Jan 79:II-1
Field Study of Tunnel Prereinforcement, Gregory E. Korbin and Tor L. Brekke, GT8:Aug 78:1091: 13948
IRT — New York City's First Subway, Larry D. Lankton, CE:Nov 79:71
Jacked Pipe Provides Roof for Underground Construction in Busy Urban Area, G. Musso, CE: Nov 79:79
Minimizing Risks and Mitigating Losses—C, Joe B. McNabb, CRLS:Jan 79:II-138
Minimizing Risks/Mitigating Losses, V. Wallace Ryland, CRLS:Jan 79:I-145
Mixed Face Tunneling on Melbourne Underground, Alfred M. Petrofsky, CO3:Sept 80:409:15695
Numerical Analysis of Underground Structures, Charles W. Schwartz, CP80:June 80:217
Park River Auxiliary Tunnel, Edwin A. Blackey, Jr., CO4:Dec 79:341:15076
Pipe Jacking: State-of-the-Art, Clarence B. Drennon, CO3:Sept 79:217:14801
Socioeconomic Impacts of Urban Tunnel Projects: An Approach to a Prediction Model, Peter Wolff, Preprint No.80-016, Apr 80, 22pp.
Subway Designs and Construction Methods That Cut Costs, James A. Birkmyer, CE:Oct 78:62
Temporary Tunnel Support by Artificial Ground Freezing, John S. Jones and Ralph E. Brown, GT10:Oct 78:1257:14108

Tunnel Linings

Ground Control for Shallow Tunnels by Soil Grouting, David Y. Tan and G. Wayne Clough, Preprint No.80-106, Apr 80, 23pp.
Ground Control for Shallow Tunnels by Soil Grouting, David Y. Tan and G. Wayne Clough, GT9:Sept 80:1037:15716
Temporary Tunnel Support by Artificial Ground Freezing, John S. Jones and Ralph E. Brown, GT10:Oct 78:1257:14108

Tunnels

Ground Control for Shallow Tunnels by Soil Grouting, David Y. Tan and G. Wayne Clough, Preprint No.80-106, Apr 80, 23pp.
Harmonic Shape and Optimum Design, Rowland Richards, Jr. and Gordon S. Bjorkman, Jr., EM6: Dec 80:1125:15889
Mixed Face Tunneling on Melbourne Underground, Alfred M. Petrofsky, CO3:Sept 80:409:15695
Park River Auxiliary Tunnel, Edwin A. Blackey, Jr., CO4:Dec 79:341:15076
Reducing Costs in Urban Transportation Construction, John W. Fondahl, Boyd C. Paulson, Jr. and Henry W. Parker, CO1:Mar 79:51:14406
Remote Sensing for Tunnel Siting Studies, Orville R. Russell, Dennis T. Stanczuk and John R. Everett, TE5:Sept 80:523:15676
Response of Tunnels to Incident SH-Waves, Vincent W. Lee and Mihailo D. Trifunac, EM4:Aug 79:643: 14749
Settlements of Immersed Tunnels, Birger Schmidt and Walter C. Grantz, GT9:Sept 79:1031:14811
Simplified Analysis for Tunnel Supports, Herbert H. Einstein and Charles W. Schwartz, GT4:Apr 79: 499:14541
Temporary Tunnel Support by Artificial Ground Freezing, John S. Jones and Ralph E. Brown, GT10:Oct 78:1257:14108
Tokyo's Dainikoro Underwater Tube-Tunnel, Boyd C. Paulson, Jr., CO4:Dec 80:489:15877
Tunnel Closure for Nonlinear Mohr-Coulomb Functions, Timothy C. Kennedy and Herbert E. Lindberg, EM6:Dec 78:1313:14245

Tunnel Supports

Simplified Analysis for Tunnel Supports, Herbert H. Einstein and Charles W. Schwartz, GT4:Apr 79: 499:14541

Turbidity

Alaska Water Quality Standards and BMPs, John D. Stednick, IRKB:July 80:721
Field Study for Landsat Water Quality Verification, Donald Steven Graham and J. M. Hill, AS80:Aug 80:101
Management of Galbraith Gap Municipal Watershed, David R. DeWalle, IRKB:July 80:1012
Particle Size Distribution Effects on Turbidity, Thomas Arthur Holstrom and Richard H. Hawkins, IRKB:July 80:283
South Fork Trinity River Watershed Study, Ralph G. Scott, Jr., Koll Y. Buer and Stephen M. James, IRKB:July 80:406
Turbidity and Suspended Sediment Relationships, Robert L. Beschta, IRKB:July 80:271

Turbines

Dynamic Response of Pile-Supported Frame Foundations, Fakhry Aboul-Ella and Milos Novak, EM6:Dec 80:1215:15895
Performance Evaluation of Wind Turbines, Robert E. Akins, TE1:Jan 80:19:15133
Turbulence and Wind-Turbine Performance, A. Craig Hansen, TE6:Nov 80:675:15852

Turbulence

Calculation of Strongly Curved Open Channel Flow, Michael A. Leschziner and Wolfgang Rodi, HY10: Oct 79:1297:14927
Cavitation Induced by Turbulence in Stilling Basin, Rangaswami Narayanan, TN: HY4:Apr 80:616: 15305
Design Model for Thermal Effluents in Rivers, Giorgio Dinelli and Leonardo Castellano, HY3:Mar 79:197:14422
Flow Characteristics in Two-Dimensional Expansions, Prabhulal R. Mehta, HY5:May 79:501: 14579
Flow Visualization in Complex Turbulent Flows, Louis H.Y. Lee and Joseph A. Clark, HY2:Feb 80: 247:15209
Force Fluctuations on Sill of Hydraulic Jump, Rangaswami Narayanan and L. S. Schizas, HY4: Apr 80:589:15368
Force on Sill of Forced Jump, Rangaswami Narayanan and L. S. Schizas, HY7:July 80:1159: 15552
Formulating Lake Models which Preserve Spectral Statistics, Christos Babajimopoulos and Keith W. Bedford, HY1:Jan 80:1:15137
Freestream Turbulence Effects on Galloping, Kenny C.S. Kwok and William H. Melbourne, EM2:Apr 80:273:15356
Impact of Vertical Scale Distortion on Turbulent Mixing in Physical Models, Benjamin R. Roberts and Robert L. Street, HYCO:Aug 80:261
Mixing of Buoyant Surface Jet over Sloping Bottom, Bijan Safaie, WW4:Nov 79:357:14954
Numerical Simulation of Turbulent Stratified Flows in Surface Water Impoundments, Angelos N. Findikakis and Robert L. Street, HYCO:Aug 80: 249
Open Channel Flow with Suspended Sediments, Tadaoki Itakura and Tsutomu Kishi, HY8:Aug 80: 1325:15650
Oxygen Transfer at Hydraulic Structures, Sean T. Avery and Pavel Novak, HY11:Nov 78:1521:14190
Presentation of Longitudinal Dispersion Data, Philip C. Chatwin, HY1:Jan 80:71:15150
Sensitivity of the Prych-Davis-Shirazi Model, Barry A. Benedict and John W. Preston, Jr., HYCO:Aug 80:322
Settling in Continuous Sedimentation Tanks, J. Francisco Cordoba-Molina, Robert R. Hudgins and Peter L. Silveston, EE6:Dec 78:1261:14231
Stress and Tidal Current in a Well-Mixed Estuary, M. Robinson Swift, Ronnal Reichard and Barbaros Celikkol, HY7:July 79:785:14682
Suspended Load from Error-Function Models, Joe C. Willis, HY7:July 79:801:14684
Three-Dimensional Wakes: Origin and Evolution, Enzo Levi, EM4:Aug 80:659:15618

Transitional Periodic Boundary Layer Study, B. R. Ramaprian and A. Mueller, HY12:Dec 80:1959: 15908
Turbulence and Wind-Turbine Performance, A. Craig Hansen, TE6:Nov 80:675:15852
Turbulence in Helically Corrugated Pipe Flow, Edward Silberman, EM4:Aug 80:699:15633
Turbulence Prediction in Open Channel Flow, Ruh-Ming Li, James D. Schall and Daryl B. Simons, HY4:Apr 80:575:15347
Turbulent Jets in Co-Flowing Streams, Pande B.B. Lal and Nallamuthu Rajaratnam, EM6:Dec 79: 1025:15043
Unsteady Features of Flow Past a Cavity, Donald Rockwell and Charles Knisely, HY8:Aug 79:969: 14773
Verifying Lake Transport Models with Spectral Statistics, Keith W. Bedford and Christos Babajimopoulos, HY1:Jan 80:21:15138
Wind Effects on Cooling-Tower Shells, Hans-Jurgen Niemann, ST3:Mar 80:643:15251

Turbulent Flow

Constant and Variable Eddy Viscosity Flow Simulations in Settling Tanks, David R. Schamber and Bruce E. Larock, HYCO:Aug 80:345
Dispersion in Rough Rectangular Channels, Eric M. Valentine and Ian R. Wood, HY12:Dec 79:1537: 15088
Experiments in Longitudinal Dispersion with Dead Zones, Eric M. Valentine and Ian R. Wood, HY8: Aug 79:999:14790
Flow Past Fence in Turbulent Boundary Layer, Pramod K. Pande, Rajendra Prakash and Manharan L. Agarwal, HY1:Jan 80:191:15151
Laboratory Tests of Gravel Envelope Flow Resistance, E. R. Zeigler and Ray J. Winger, IRKA:July 80:166
Minimum Stream Power: Theory, Charles C.S. Song and Chih Ted Yang, HY9:Sept 80:1477:15691
Motion of Suspension Bridges in Turbulent Winds, Y. K. Lin, EM6:Dec 79:921:15044
Numerical Analysis of Wide-Angled Diffusers in Turbulent Flow, Riccardo Sala, Pier Luigi Vivarelli and Gianni Garuti, HY5:May 80:629:15402
Plane Turbulent Wall Wakes, Nallamuthu Rajaratnam and Sri P. Rai, EM5:Oct 79:779:14882
Sediment Suspension in Turbulent Pipe Flow, Sheng T. Hsu, Andre van der Beken, Louis Landweber and John F. Kennedy, HY11:Nov 80:1783:15830
Thermal Structure of Cooling Ponds, Gerhard H. Jirka, HY5:May 80:701:15412
Transfer Coefficients in Stratified Channel Flow, Richard H. French, HY9:Sept 79:1087:14808
Turbulence Measurements in Simulated Tidal Flow, Habib O. Anwar and Roy Atkins, HY8:Aug 80: 1273:15609

Turnkey Projects

Allocation of Risks — A Contractor's View, Norman A. Nadel, CRLS:Jan 79:I-61
Construction/Engineering Management: A Comparison, Steven S. Pinnell, EI4:Oct 80:405: 15779

Turtles

IXTOC I Oil Spill and Atlantic Ridley Turtle Survival, Donald S. Delikat, CZ80:Nov 80:312
Marine Turtles and Problems in Coastal Management, John G. Frazier, CZ80:Nov 80:2395

Two-Dimensional

On The Reduction Of 3D Soil-Structure Interaction Problems TO 2D Models -a1A., Asadour H. Hadjian, J. E. Luco and Hung Leung Wong, EM81: Jan 81:217
Two-Dimensional Tidally Averaged Estuarine Model, Wen-Sen Chu and William W-G. Yeh, HY4:Apr 80:501:15345

Two Layer Soil System

Settlement of Single Piles in Nonhomogeneous Soil, Harry G. Poulos, GT5:May 79:627:14575
Viscoplasticity of Normally Consolidated Clays, Atilla M. Ansal, Zdenek P. Bazant and Raymond J. Krizek, GT4:Apr 79:519:14546

Two Phase Flow

Air-Water Flow in Coarse Granular Media, Alim A. Hannoura and John A. McCorquodale, HY7:July 78:1001:13888
Flow Coefficients and Computer Models Reliability, A'Alim A. Hannoura, HYCO:Aug 80:366
Transporting Solid Particles in Smooth Pipelines, Walter Chin Mih, TE4:July 79:427:14704
Two-Dimensional Bubble Plumes, David L. Wilkinson, HY2:Feb 79:139:14385
Urban Storm Sewer Flows in Coastal Areas, Chintu Lai, HYUS:June 80:244

Typhoons

Mathematical Model for Evaluating Extra-Ordinary Tide in Coastal Zone During Typhoon, Frederick L.W. Tang, Chuen Sheng Yang and Shing S.T. Schluchter, HYUS:June 80:215
Prediction of Extreme Wave Heights and Wind Velocities, Liu Teh-fu and Ma Feng-shi, WW4:Nov 80:469:15862
Some Wind Characteristics of Typhoons and Tatsumaki, Hatsuo Ishizaki, Preprint No.80-604, Oct 80, 7pp.

Ultimate Loads

Prestressed Concrete Beams with Transverse Circular Holes, Sk. Abdus Salam and Jack Harrop, ST3:Mar 79:635:14465
Thermal Effects on Load Capacity of Concrete Slabs, Nestor R. Iwankiw, ST7:July 79:1417:14667

Ultimate Strength

Behavioral Study of Circular Tubular Beam-Columns, Donald R. Sherman, Hacik Erzurumlu and Wendelin H. Mueller, ST6:June 79:1055:14627
High-Strength Concrete in Ultimate Strength Design, Pao-Tsan Wang, Surendra P. Shah and Antoine E. Naaman, ST11:Nov 78:1761:14139
Tear-Out Failure of Bolt Groups, Cedric Marsh, TN: ST10:Oct 79:2122:14873
Ultimate Resistance of a Full-Scale Floor System, Anatole Longinow and R. P. Joyce, Preprint No.80-083, Apr 80, 24pp.

Ultimate Strength Design

Biaxially Loaded Concrete Sections, M. Pinto de Magalhaes, ST12:Dec 79:2639:15058

Uncertainty Principle

The Benefits of Uncertainty: Probability in Short and Long Term Hydrologic Forecasting, Rafael L. Bras, EFHYF:Mar 79:141
Hydrologic Uncertainty and Project Benefits, Billy E. Martin and R. W. Julian, EFHYF:Mar 79:84
Impact of Hydrologic Uncertainties on Flood Insurance, Leo R. Beard, HY11:Nov 78:1473:14168
Lifeline Seismic Risk: Decisions Under Uncertainty, Irving J. Oppenheim, C080:80:218
Optimal Design of Culverts under Uncertainties, Larry W. Mays, HY5:May 79:443:14572
Project Management and Contractual Relationships, Samuel L. Hack, CRLS:Jan 79:I-73
Risk Analysis for Hydraulic Design, Yeou-Koung Tung and Larry W. Mays, HY5:May 80:893:15419
Session III—Meteorology and Hydrology, Roger A. Amisial, EFHYF:Mar 79:419
Simulation of Construction Project Duration, Robert I. Carr, CO2:June 79:117:14607
Suite of Mathematical Flood Plain Models, Heinz Willi Weiss and Desmond Clifford Midgley, HY3: Mar 78:361:13604
Uncertainity Analysis of Relative Density, Achintya Haldar and Wilson H. Tang, TN: GT7:July 79:899: 14665
Uncertainties in Hydrologic Time Series Analysis, Jose D. Salas and Ricardo A. Smith, Preprint No.80-158, Apr 80, 22pp.

Uncertainties in Seismic Risk Procedures, Neville C. Donovan and Ann E. Bornstein, GT7:July 78:869: 13896
Uncertainty in Step-Backwater Analyses, Asok K. Motayed and David R. Dawdy, TN: HY5:May 79: 617:14555

Undergraduate Study
The AccEL Program: Retreading the B.S. Degree, Carol Rubin, EI4:Oct 80:339:15729
Advising Non-CE Students in Graduate Programs, Larry W. Canter, EI1:Jan 78:9:13466
Computers in Civil Engineering Undergraduate Education, Robert John Craig, CP80:June 80:419
Undergraduate Engineering Consultants, James J. Sharp and A. John Christian, EI1:Jan 80:51:15127
Water Resources Education Requirements of Engineering Firm, Alan H. Schultz and Richard A. Westmore, WR2:Sept 79:377:14858

Underground Conduits
Lifeline Earthquake Engineering in Japan, Keizaburo Kubo, Tsuneo Katayama and Masamitsu Ohashi, TC1:Apr 79:221:14548

Underground Construction
Allocation of Risks — B, Thomas R. Kuesel, CRLS: Jan 79:I-51
Allocation of Risks—C, R. K. McFarland, CRLS:Jan 79:II-64
Allocation of Risks—D, George Ziegler, CRLS:Jan 79:II-69
Allocation of Risks—E, Woodrow W. Wilson, CRLS: Jan 79:II-73
Contractual Arrangements—A, Carroll H. Dunn, CRLS:Jan 79:II-85
Minimizing Risks and Mitigating Losses—D, John A. McWhorter, CRLS:Jan 79:II-158
A Quantitative Method for Analyzing the Allocation of Risks in Underground Construction, Raymond E. Levitt, CRLS:Jan 79:II-201
Summary Session—D, David G. Hammond, CRLS: Jan 79:II-192

Underground Life Support Systems
Joint Utilization of Utility Corridors, Jerry L. Machemehl, Chmn., Preprint No.80-114, Apr 80, 22pp.

Underground Storage
Ground-Water Storage for California Water Project, Jack J. Coe, IR3:Sept 79:305:14832
Initial Engineering Design Approach for Sealing of Geologic Nuclear Waste Repositories, D. K. Shukla, N. Foster Allen, D. E. Stephenson and Richard D. Ellison, Preprint No.80-168, Apr 80, 19pp.
Managing Storm Runoff in Chicago Area, Bart T. Lynam, Forrest C. Neil and Frank E. Dalton, TC2: Dec 79:401:15035
Underground Nuclear Waste Disposal — Scope and Concepts, Christopher M. St. John, Preprint No.80-165, Apr 80, 19pp.

Underground Structures
Large Deformation Analysis of Submerged King Frames, Howard B. Harrison, EM5:Oct 79:829: 14913
Numerical Analysis of Underground Structures, Charles W. Schwartz, CP80:June 80:217
Research Needs in Structural Engineering, CE:Dec 79:61
Underground Buildings Save Energy, CE:May 79:80

Underpinning
Construction Methods in Tunneling under a Railroad, Marcello H. Soto, CO3:Sept 77:317:13180
New Foundation System for Granite Seawall, Victor V. Calabretta and Peter Sullivan, PO80:May 80:807
Timber Pile Study, Exisiting Structure, Frank D. Grefsheim, GTDF:80:166

Underwater Construction
New Foundation System for Granite Seawall, Victor V. Calabretta and Peter Sullivan, PO80:May 80:807
Progress in Marine Geotechnical Engineering, John A. Focht, Jr. and Leland Milo Kraft, Jr., GT10:Oct 77:1097:13301
Tokyo's Dainikoro Underwater Tube-Tunnel, Boyd C. Paulson, Jr., CO4:Dec 80:489:15877
World's Tallest Offshore Platform Stands in 1025 Ft of Water, CE:Apr 79:53

Underwater Foundations
Shallow Penetration of Marine Foundations, James D. Murff and Terrell W. Miller, Preprint No.80-527, Oct 80, 14pp.

Underwater Pile Driving
Cognac: World's Tallest Offshore Oil Platform, Allen Morrison, CE:June 80:55
World's Tallest Offshore Platform Stands in 1025 Ft of Water, CE:Apr 79:53

Underwater Pipelines
Modeling the Cumulative Onshore Effects of Offshore Oil and Gas Development, E. T. Smith and L. G. Hecht, Jr, CZ80:Nov 80:2083
Multiobjective Modeling for OCS Pipeline Systems, David Engberg, Jared Cohon and Charles ReVelle, CZ80:Nov 80:684
Offshore Pipeline Routing: Minimizing Environmental Effects, Ann W. Gowen and Michael J. Goetz, CZ80:Nov 80:667
Photobathymetry, James Collins, ASDC:80:82
Pore-Pressure Dissipation During Offshore Cyclic Loading, Geoffrey R. Martin, Ignatius Lam and Chan-Feng Tsai, GT9:Sept 80:981:15706
Progress in Marine Geotechnical Engineering, John A. Focht, Jr. and Leland Milo Kraft, Jr., GT10:Oct 77:1097:13301
Settlements of Immersed Tunnels, Birger Schmidt and Walter C. Grantz, GT9:Sept 79:1031:14811
Soil Modulus and Longitudinal Pipeline Stresses, Roger E. Hobbs, TE6:Nov 80:775:15831
Wave Forces on Cylinders near Plane Boundaries, James C. Wright and Tokuo Yamamoto, WW1:Feb 79:1:14358
Wave Forces on Pipeline Buried in Permeable Seabed, Hugh MacPherson, WW4:Nov 78:407: 14187

Underwater Structures
Research Needs in Structural Engineering, CE:Dec 79:61
Settlements of Immersed Tunnels, Birger Schmidt and Walter C. Grantz, GT9:Sept 79:1031:14811
Tokyo's Dainikoro Underwater Tube-Tunnel, Boyd C. Paulson, Jr., CO4:Dec 80:489:15877

Underwater Surveys
Pipelines—Positioning and Survey Problems, Stanley W. Hole, SU1:Nov 79:15:14951

Undrained Shear Tests
Prediction of Undrained Behavior of Sand, Poul V. Lade, GT6:June 78:721:13834
Undrained Shear Tests on Clays, Jean-Herve Prevost, GT1:Jan 79:49:14311

Uniaxial Tensile Strength
Accuracy of Composite Section Nonlinear Solutions, Luc Lachance and Clifford O. Hays, Jr., ST11:Nov 80:2203:15801

Uniform Flow
Uniformly Discharging Lateral Weirs, Amruthur S. Ramamurthy, Kanakati Subramanya and Luis Carballada, IR4:Dec 78:399:14252

Uniformity
Comparison of Sprinkler Uniformity Models, Ronald L. Elliott, James D. Nelson, Jim C. Loftis and William E. Hart, IR4:Dec 80:321:15913

Effect of Sediment on Advance Rates and Intake Rates, C. Dean Yonts, Walter L. Trimmer, Robert J. Edling and John Borrelli, IRKA:July 80:429

Unionization
Bargaining with the "Professional" Union, Victor W. Korf, Preprint No.80-015, Apr 80, 15pp.
Engineering, Professionalism, and Unions, Richard H. French, EI1:Jan 79:1:14323
Identification and Nature of Risks in Construction Projects — A Contractor's Perspective, J. Joseph Casey, CRLS:Jan 79:I-17
Improving Motivation and Productivity on Large Projects, John D. Borcherding, Scott Morse Sebastian and Nancy Morse Samelson, CO1:Mar 80:73:15272
Professional Alternative to Collective Bargaining, Frederic L. Blum, EI2:Apr 79:77:14514
Union Versus Nonunion Construction in the U.S., Raymond E. Levitt and Clinton C. Bourdon, CO4: Dec 79:289:15020

United Kingdom
Comparison of Cost Functions in Modal-Split Models, John R. Underwood and Gerald R. Leake, TE6:Nov 77:763:13343

United States
The American Highway System, Its Past and Its Future, Fred J. Benson, MGC:July 80:389
Economics and Water Resources Planning in America, L. Douglas James and Jerry R. Rogers, WR1:Mar 79:47:14427
Faults in Swedish and American Tunnel Practice: A Fable, Thomas R. Kuesel, CE:Jan 79:74
Mapping America is Never-Ending Task for USGS, Morris M. Thompson, CE:Feb 79:77
Transport Planning on Both Sides of the Pacific, Robert S. Nielson, MGC:July 80:248
U.S. Bridges and the Bias Toward Mediocrity, Rowland Richards, Jr., Preprint No.80-100, Apr 80, 17pp.
U.S.-Canadian Agreement on East Coast Fisheries, Sang-Myon Rhee, CZ80:Nov 80:345
U.S.-China Relations: Friends Now, Partners Tomorrow?, Ann E. Seltz-Petrash, CE:Apr 79:57

Unit Hydrographs
Coastal Plains Unit Hydrograph Studies, Donald E. Woodward, Paul I. Welle and Helen Fox Moody, HYUS:June 80:99
Estimation of Direct Runoff from Urban Watersheds, Aolad Hossain, A. Ramachandra Rao and Jacques W. Delleur, HY2:Feb 78:169:13565
Optimal Sequence of Incremental Precipitation, Anand Prakash, TN: HY12:Dec 78:1668:14199
Optimization of Unit Hydrograph Determination, Larry W. Mays and Lynn Coles, HY1:Jan 80:85: 15129
Unit Hydrographs for Urbanizing Watersheds, James F. Cruise and Dinshaw N. Contractor, TN: HY3: Mar 80:440:15229

Units of Measurement
Has Metrication Run Out of Gas?, Michael J. Bartos, Jr., CE:Aug 79:49
Recommendations for use of SI Units in Hydraulics, Margaret S. Petersen, HY12:Dec 80:1981:15931

Universities
Engineering Management—University Programs, Tung Au, EI2:Apr 80:81:15351
Impact of a Collective Bargaining Contract, Russel C. Jones, EI3:July 80:241:15560
Not For Computer People Only—APL In Universities, Morton D. Sinkoff, CP80:June 80:424
Practitioners in an Academic Environment, Gerald R. Seeley, EI3:July 80:205:15561
Software Problems in University Environment, Leonard A. Lopez, TC2:Dec 79:385:15029

Unpaved Roads
Design of Geotextile-Reinforced, Unpaved Roads, Jean-Pierre Giroud and Laure Noiray, Preprint No.80-177, Apr 80, 28pp.

Unsaturated Flow
Flow Net for Unsaturated Infiltration from Strip Source, Vedat Batu, IR3:Sept 79:233:14822
Unsaturated Flow Beneath Tailings Impoundments, David B. McWhorter and John D. Nelson, GT11: Nov 79:1317:14999

Unsaturated Soils
Analytical-Numerical Computation of Infiltration, Antonis D. Koussis and Siu-Lun Chow, IR2:June 80:123:15494
Design and Construction of Short Piles for Expansive Soils in Coro, Venezuela, Leopoldo Garcia-Iturbe and Jorge Martinez, SLS:June 80:850
Moisture and Air Flow in an Unsaturated Soil, V. Dakshanamurthy and D. G. Fredlund, SLS:June 80: 514

Unsteady Flow
Approximate Analysis of Unsteady Laminar Flow, David Stavitsky and Enzo Macagno, HY12:Dec 80: 1973:15922
Approximate Flood Routing Methods: A Review, P. Erwin Weinmann and Eric M. Laurenson, HY12: Dec 79:1521:15057
Computer Controlled Physical Model of the Sacramento River, Jaime Amorocho, William J. Hartman and Johannes J. DeVries, HYCO:Aug 80: 451
Flow Coefficients and Computer Models Reliability, A'Alim A. Hannoura, HYCO:Aug 80:366
Flow Routing in Tailwater Streams, Michael G. Ferrick, HYCO:Aug 80:192
Inaccuracies in the Characteristics Method, E. Benjamin Wylie, HYCO:Aug 80:165
Modeling Hourly Water Temperature Dynamics, Russ T. Brown, HYCO:Aug 80:25
Pumping Due to Unbiased Local Wall Oscillations, David Stavitsky and Enzo Macagno, EM4:Aug 80: 677:15619
SIND Modeling for Unsteady Flow Assessments, Joel L. Caves and Robert L. Johnson, HYCO:Aug 80:281
Techniques and Experiences in the Utilization of Unsteady Open-Channel Flow Models, Chintu Lai, Robert A. Baltzer and Raymond W. Schaffranek, HYCO:Aug 80:177
Three-Dimensional Open Channel Flow, Chao-Lin Chiu, David E. Hsiung and Hsin-Chi Lin, HY8:Aug 78:1119:13963
Turbulence Measurements in Simulated Tidal Flow, Habib O. Anwar and Roy Atkins, HY8:Aug 80: 1273:15609
Two-Dimensional Shallow Water-Wave Models, Nikolaos D. Katopodes and Theodor Strelkoff, EM2:Apr 79:317:14532
Unsteady Drawdown in 2-D Water Table Aquifer, David T. Higgins, IR3:Sept 80:237:15696
Unsteady Flow Computation for Full Storm Sewer, Larry F. Land and Harvey E. Jobson, TN: HY8: Aug 80:1389:15590
Unsteady Flows in Water Distribution Systems, Suha Sevuk, HYCO:Aug 80:228
Urban Storm Sewer Flows in Coastal Areas, Chintu Lai, HYUS:June 80:244
Virtual Mass of Coarse Granular Media, Alim A. Hannoura and John A. McCorquodale, WW2:May 78:191:13734

Uplift Piles
Uplift of Drilled Rigid Piers in Loose Sand, H. B. Poorooshasb, Preprint No.80-544, Oct 80, 14pp.

Uplift Pressure
Seismic Response of Uplifting Building Frame, Arthur A. Huckelbridge, Jr. and Ray W. Clough, ST8:Aug 78:1211:13974
Uplift Pressures on Hollow Gravity Dams, Amrik S. Chawla and Natthi Mal, HY3:Mar 79:257:14464

Uplift Testing of Model Drilled Shafts in Sand, Fred H. Kulhawy, David W. Kozera and James L. Withiam, GT1:Jan 79:31:14301

Uplift Resistance
Uplift Testing of Model Drilled Shafts in Sand, Fred H. Kulhawy, David W. Kozera and James L. Withiam, GT1:Jan 79:31:14301

Urban Areas
Adaptation of ILLUDAS for Continuous Simulation, Harry G. Wenzel, Jr. and Michael L. Voorhees, HY11:Nov 80:1795:15840
Buildup, Strength, and Washoff of Urban Pollutants, Michael L. Terstriep, G. Michael Bender and Dennis J. Benoit, TC1:Aug 80:73:15620
Changing Needs in Urban Flood Forecasting, L. Scott Tucker, EFHYF:Mar 79:295
Coastal Flooding in Metropolitan New York: A Case Study, Robert S. Taylor, Sue Ann Hanson and Stergios A. Dendrou, HYUS:June 80:316
Coastal Siting of Hazardous Waterfront Facilities, Paul C. Golden, CZ80:Nov 80:562
Combined Sewer Overflow Controls for Boston Harbor, John R. Elwood, William F. Callahan and John A. Mueller, EE80:July 80:464
Comments on the Federal-Local Partnership in Transportation Air Quality Planning, Paul F. Maxwell, CAAA:Nov 79:33
Converging Flow Model Applied to Urban Catchment, Franklin W. Ellis, Fred V. Ramsey and George M. Hornberger, HY9:Sept 80:1457:15711
A Data Base System for Real Time Hydrologic Modeling, Robert M. Ragan and Jack D. Fellows, AS80:Aug 80:33
Data Management for a Metroplex, Kenneth B. Strange and S. E. Mangum, Jr., SU80:June 80:202
Design Hyetographs for Small Drainage Structures, Ben Chie Yen and Ven Te Chow, HY6:June 80: 1055:15452
Detention Storage for Urban Flood Control, David P. Smith, Jr. and Philip B. Bedient, WR2:July 80:413: 15555
Economic Model for Urban Watersheds, Thomas N. Debo and Gerald N. Day, HY4:Apr 80:475:15333
Effects of Subsidence on Stream Hydraulics, Christopher B. Amandes, HYUS:June 80:414
Endangered Species: Compatibility with a Utility, J. Ross Wilcox, CZ80:Nov 80:179
EPA Research in Urban Stormwater Pollution Control, Richard Field, HY5:May 80:819:15389
The Fly-Over: It Unclogs Urban Traffic in A Hurry, William W. Pleasants, CE:May 80:71
Future Prospects in Transportation Finance, Joseph R. Stowers and Carolyn Frank, UT79A:July 79:256
Future Prospects Re Travel Requirements and Financing, Robert A. Keith, UT79A:July 79:285
I-205: A Unique Urban Freeway, Robert N. Bothman, Preprint No.80-143, Apr 80, 22pp.
Keep the Mosquito Fleet in the City, Joanne Peterson, CZ80:Nov 80:51
Landsat Imagery for Hydrologic Modeling?, Richard S. Taylor, Robert P. Shubinski and T. S. George, AS80:Aug 80:44
Large-Scale Urban Modeling, Otto J. Helweg, UP2: Nov 79:89:14947
Lateral Weir Flow Model, Amruthur S. Ramamurthy and Luis Carballada, IR1:Mar 80:9:15285
The Long Beach Downtown Transportation Project, Wes R. Frysztacki, MGC:July 80:195
Low Flow and Stormwater Quality in Urban Channels, Philip B. Bedient, Jeff L. Lambert and Paulo Machado, EE2:Apr 80:421:15336
Modeling of Storm Drainage in a Coastal City, Jerome M. Normann, HYUS:June 80:108
Parking Lot Impact on Water Quality, Peter E. Black, IRKB:July 80:541
Planning for Transportation Control Measures in Washington, Philadelphia, Baltimore and Pittsburgh, Philip Shapiro, David Dunlap, John Claffey and Bruce Haultman, CAAA:Nov 79:43
Practices and Problems in Flood Plain Management, L. Scott Tucker, EFHYF:Mar 79:333
Problems and Options in Financing Urban Transportation, Paul K. Dygert and James M. Holec, UT79A:July 79:220
Problems and Possible Solutions for Pipeline Corridors in Developing Areas, Buckley L. Ogden, Preprint No.80-630, Oct 80, 9pp.
Regional Planning for the Urban Waterfront, John R. Weingart, CZ80:Nov 80:286
Retention/Detention Basins in Coastal Areas, A. B. Pennell, HYUS:June 80:299
Septic System Problems on an Urban Fringe, Darryl R. Goehring and F. Robert Carr, WR1:Mar 80:89: 15278
Session VI—Changing Needs in Hydrologic Forecasting, William P. Henry, EFHYF:Mar 79:426
Session VII—Flooding and Flood Plain Management, David R. Dawdy, EFHYF:Mar 79:428
Socioeconomic Impacts of Urban Tunnel Projects: An Approach to a Prediction Model, Peter Wolff, Preprint No.80-016, Apr 80, 22pp.
Strategy Evaluation — Minnesota Small Urban Areas, Katheryn Briscoe, CAAA:Nov 79:11
Transportation/Air Quality Planning in Small Areas, Thomas P. Kozlowski and George Schoener, CAAA:Nov 79:306
Transportation for Urban Recreation, Arnold H. Vollmer, Preprint No.80-634, Oct 80, 5pp.
Urban Geoprocessing: A Staged Development Concept, Stephen Kinzy, SU80:June 80:172
Urban Riverfront Expansion, D. B. Robbins, J. M. Armstrong, C. L. Kureth, Jr., D. V. Pratt and T. V. Dobson, CZ80:Nov 80:236
Urban Runoff Management: Future Modeling, Harry C. Torno, TC1:Aug 80:165:15626
Urban Runoff Management Strategies, David F. Kibler and Gert Aron, TC1:Aug 80:1:15600
Urban Runoff Pollution Method, George K. Young, Timothy R. Bondelid and Dennis N. Athayde, WR2:Sept 79:353:14854
Urban Storm Runoff Quality in Southeast Michigan, Peter G. Collins and James W. Ridgway, EE1:Feb 80:153:15199
Urban Storm Sewer Flows in Coastal Areas, Chintu Lai, HYUS:June 80:244
Urban Waterfront Revitalization Employing Visual Preference as a Strategy for Managing Visual Resources and Facilitating Public Participation, Thomas R. Hudspeth, CZ80:Nov 80:33
Urban Water Management in the 1980's: Introduction, Murray B. McPherson, Preprint No.80-511, Oct 80, 6pp.
Waterfront Master Plan for Kenosha, Wisconsin, J. William Allen, Thomas W. Wood and Ian J. McAlister, CZ80:Nov 80:267
Waterfront Policy: Responding to Local Needs, Letitia C. Longord and Irene L. Murphy, CZ80: Nov 80:256
Wave Overtopping and Urban Stormwater Drainage In Hull, Massachusetts, Jonathan A. French, HYUS:June 80:336
A Winter City, Lloyd K. Clark and Amos J. Alter, Preprint No.80-172, Apr 80, 16pp.

Urban Deterioration
How Top Officials Would Save Aging American Cities, CE:Nov 79:98

Urban Development
Anchorage's Response to the 1977 Clean Air Act Amendments, Leif G. Anderson and A. Reed Gibby, CAAA:Nov 79:20
CAD System Developed by Urban Design Firm, Harvey H. Liss, CP80:June 80:619
Coordinating Tall Building Development, Leonard I. Ruchelman, UP1:Nov 80:89:15857
Digital Terrain Models in Civil Engineering Design, Robert N. Eli and Ronald W. Eck, CP80:June 80: 122
Drainage Design in a Riverine Floodplain System, Robert James Motchkavitz, HYUS:June 80:369
Estimation of Direct Runoff from Urban Watersheds, Aolad Hossain, A. Ramachandra Rao and Jacques W. Delleur, HY2:Feb 78:169:13565

Keep the Mosquito Fleet in the City, Joanne Peterson, CZ80:Nov 80:51
The Long Beach Downtown Transportation Project, Wes R. Frysztacki, MGC:July 80:195
National Growth Trends, Robert B. Seaman, UP1: Nov 80:29:15824
Optimizing Joint Development at Transit Stations, Ronald G. Arbogast, Snehamay Khasnabis and Kenneth S. Opiela, TE5:Sept 80:539:15709
Population and Economic Data in Transit Analysis, Katrin Parker-Simon and Robert E. Paaswell, UP1: Nov 80:43:15827
Reducing Costs in Urban Transportation Construction, John W. Fondahl, Boyd C. Paulson, Jr. and Henry W. Parker, CO1:Mar 79:51:14406
Renovation of New York Harbor, Theodore Civetta, Jr. and Philip C. Sears, CZ80:Nov 80:898
Two Approaches to Coastal Area Planning in Japan, Harvey A. Shapiro, CZ80:Nov 80:741
Urban Development and Flood Hazards at Shepparton, N. W. Tappe, ASDC:80:213
Urban Runoff Quality: Information Needs, Michael B. Sonnen, TC1:Aug 80:29:15611
Voter Reaction to Multiple-Use Drainage Projects, Thomas N. Debo and James T. Williams, WR2:Sept 79:295:14843

Urban Highways

The Central Artery Project — Construction Techniques, Francis R. Sholock, TE2:Mar 80:205: 15284
User Cost Analysis in Urban Freeway Rehabilitation, Timothy R. Neuman, TE6:Nov 79:623:14990

Urbanization

Classification of Urban Areas for Travel Forecasting, Yupo Chan and Jossef Perl, TE5:Sept 79:513:14831
Dual-Purpose Detention Basins, William Whipple, Jr., WR2:Sept 79:403:14860
Economic Assessment of Storm Drainage Planning, Walter J. Rawls and Richard H. McCuen, WR1: Nov 78:45:14162
Estimating Design Flows for Urban Drainage, Samuel O. Russell, Bruce F.I. Kenning and Greg J. Sunnell, HY1:Jan 79:43:14317
Impact of Urbanization on Water Quality for a Major Watershed, James F. Conley and Thomas J. Olenik, Preprint No.80-563, Oct 80, 14pp.
Impact of Urbanization on Water Treatment Management, Robert R. Smith, Preprint No.80-065, Apr 80, 12pp.
Influence of Storm Type and Urbanization on Tidal Flooding, Armando Balloffet and Michael L. Scheffler, CZ80:Nov 80:2256
Parametric-Deterministic Urban Watershed Model, William M. Alley, David R. Dawdy and John C. Schaake, Jr., HY5:May 80:679:15392
Political Aspects of Urban Stormwater Management, Levi A. Brown, WR1:Mar 80:265:15268
Population and Economic Data in Transit Analysis, Katrin Parker-Simon and Robert E. Paaswell, UP1: Nov 80:43:15827
Practices and Problems in Flood Plain Management, L. Scott Tucker, EFHYF:Mar 79:333
Runoff Synthesis Using Landsat and SCS Model, Robert M. Ragan and Thomas J. Jackson, HY5: May 80:667:15387
Session VI—Changing Needs in Hydrologic Forecasting, William P. Henry, EFHYF:Mar 79:426
Stormwater Analysis and Prediction in Houston, Philip B. Bedient, Douglas A. Harned and William G. Characklis, EE6:Dec 78:1087:14237
Urbanization Impact on Streamflow, Leo R. Beard and Shin Chang, HY6:June 79:647:14623
Urbanizing Irrigated Valleys for Optimum Water Use, Herman Bouwer, UP1:Jan 79:41:14281
Water Resources Planning and Public Health: 1776-1976, Leonard B. Dworsky and Bernard B. Berger, WR1:Mar 79:133:14445

Urban Planning

Citizens and Project Design: Management Team, John F. Metzger and David C. Colony, UP1:Nov 80:59:15855
Classification of Urban Areas for Travel Forecasting, Yupo Chan and Jossef Perl, TE5:Sept 79:513:14831
Coastal Plains Unit Hydrograph Studies, Donald E. Woodward, Paul I. Welle and Helen Fox Moody, HYUS:June 80:99
Community Programming in Newer Industrial Nations, Vernon E. Swanson, UP1:Jan 79:1:14280
Development Planning and Scheduling Model, Calin M. Popescu and James A. Wilson, UP1:Jan 79:25: 14321
Distribution of Urban Transportation Costs, Chris Hendrickson and John Pucher, UT79A:July 79:81
Flood Insurance Program: Regional Agency's Perspective, Stuart G. Walesh, WR2:Sept 79:243: 14826
Integration of Air Quality and Transportation Planning, Norman L. Cooper and John O. Hidinger, CAAA:Nov 79:56
Low Income Housing Planning: State-of-the-Art, Leonard F. Heumann, UP2:Nov 79:137:14962
Methodology for Calibrating Stormwater Models, Thomas K. Jewell, Thomas J. Nunno and Donald Dean Adrian, EE3:June 78:485:13812
Participation in Transportation — Air Quality Plans, Betty McCarty, CAAA:Nov 79:375
Reducing Costs in Urban Transportation Construction, John W. Fondahl, Boyd C. Paulson, Jr. and Henry W. Parker, CO1:Mar 79:51:14406
Seismic Zonation in the San Francisco Bay Region, Earl E. Brabb, C080:80:54
Spatial and Demographic Data: A Unified Means for Predicting Urban Service System Performance, Robert M. Clark and Richard M. Males, SU80:June 80:142
Work-Trip Mode-Choice Models for South Africa, Peter R. Stopher and Chester G. Wilmot, TE6:Nov 79:595:14960

Urban Renewal

First Line of Atlanta's New Transit System Opens, CE:July 79:77
Stamford's Urban Renewal Project Takes Off, Eugene E. Dallaire, CE:Apr 79:82
Tax Policies in Core Area Improvement Program, T. William Patterson and Kumares C. Sinha, UP2:Nov 79:129:14967
Urban Riverfront Expansion, D. B. Robbins, J. M. Armstrong, C. L. Kureth, Jr., D. V. Pratt and T. V. Dobson, CZ80:Nov 80:236
Urban Waterfront Revitalization Employing Visual Preference as a Strategy for Managing Visual Resources and Facilitating Public Participation, Thomas R. Hudspeth, CZ80:Nov 80:33

Urban Roads

Chicago's Computerized Traffic Control System, Ronald Q. Pool, TE4:July 79:401:14706

Urban Sociology

Transportation in A Socio-Physical Planning Model, Donald Wolbrink and Ellsworth B. Narris, MGC: July 80:237

Urban Sprawl

Septic System Problems on an Urban Fringe, Darryl R. Goehring and F. Robert Carr, WR1:Mar 80:89: 15278

Urban Studies

Approximate BOD Treatment Requirements for Urban Runoff, Udai P. Singh, Ronald L. Wycoff and Gregory L. Tate, EE1:Feb 79:3:14360
Future Activities in Engineering Surveying, Joseph P. Burns, SU1:Nov 79:11:14950

Urban Transportation

Conference Summary, George R. Beetle, UT79A:July 79:1
Co-ordinated Use of Facilities, Robert Schumacher, UT79A:July 79:109
Direct Cost/Revenue Shortfalls in Transportation, S. David Phraner and Victor Gulewicz, UT79A:July 79:60

Distribution of Urban Transportation Costs, Chris Hendrickson and John Pucher, UT79A:July 79:81
Efficiency Through Pricing in Urban Transportation, William S. Vickrey, UT79A:July 79:120
Existing Revenue Sources, Charles A. Krouse, UT79A:July 79:45
Future Prospects Re Travel Requirements and Financing, Robert A. Keith, UT79A:July 79:285
Improved Resource Allocation, State & Federal: How Federal Transit Aid Influences Local Decisions, Jay R. Cherlow, UT79A:July 79:200
The Long Beach Downtown Transportation Project, Wes R. Frysztacki, MGC:July 80:195
Participation in Transportation — Air Quality Plans, Betty McCarty, CAAA:Nov 79:375
Problems and Options in Financing Urban Transportation, Paul K. Dygert and James M. Holec, UT79A:July 79:220
Simplified Modeling of Transit Corridors, Uzi Landau and Yaron Fedorowicz, TE1:Jan 80:71:15103
The Transportation — Air Quality Planning Process, Gerard Soffian, John Filippelli and John C. Cosby, CAAA:Nov 79:126
A Transportation System Optimization Model, Paul M. Schonfeld, CP80:June 80:530
Urban Transportation Financing Today, Thomas D. Larson and William C. Underwood, UT79A:July 79:5
Urban Transportation: Outlook and Policy, Milton Pikarsky, UT79A:July 79:35
Urban Transport Issues: A World Bank Approach, Gabriel Roth, MGC:July 80:184
Zone Scheduling of Urban Bus Routes, Mark A. Turnquist, TE1:Jan 79:1:14288

U.S. Corps of Engineers

Coming This Year: Reusable Link with Space, CE: July 79:58
Computer Aided Design and the Corps of Engineers, Seymour Schneider, CP80:June 80:627
Computer-Aided Design in the Corps, N. Radhakrishnan, CP80:June 80:571
Corps of Engineers Initiatives in Water Supply, Donald B. Duncan, Preprint No.80-564, Oct 80, 14pp.
Corps Takes New Approach to Flood Control, Frank Notardonato and Arthur F. Doyle, CE:June 79:65
Engineering-in-Traning Program: Alaska District, CoE, Kenneth E. Hitch and Dale A. Nelson, Preprint No.80-621, Oct 80, 8pp.
European Dredging—A State of the Art, John F. Hoffman, CZ80:Nov 80:1621
Federal Consistency—Is It Working? A Perspective From the Pacific Northwest, Donald E. Lawyer, CZ80:Nov 80:2123
Flood Mitigation Planning Using HEC-SAM, Darryl W. Davis, SU80:June 80:113
History of Computer Graphics in the U.S. Army Corps of Engineers, Harry F. Hardin and James M. Jones, II, CP80:June 80:10
Interagency Permit Review Lessons of Experience, Joseph S. LeGath and Robert L. Lippson, CZ80: Nov 80:1638
Intergovernmental Corrdination in North Carolina, Hubert Glenn T. Dunn and Charles W. Hollis, CZ80:Nov 80:2027
Is There Life Beyond Mitigation?, Robert M. Snyder, CZ80:Nov 80:470
MAPS - Developing a Water Resources Screening Tool, Thomas M. Walski, CP80:June 80:341
A Practical Intergovernmental Coordination Program, Morgan R. Rees, CZ80:Nov 80:1984
The Role of the Corps in Port Development, Douglas L. Haller, PO80:May 80:726
Shore Protection Decisions for Sandy Hook, Donald A. Falvey and William J. Funge, CZ80:Nov 80: 2322
Wetlands Reviews — A Californa Experience, Hugh Converse and Jill Shapiro, CZ80:Nov 80:1829

Use Rates

User Cost Analysis in Urban Freeway Rehabilitation, Timothy R. Neuman, TE6:Nov 79:623:14990

U.S. Navy

Management of Hazardous Waste Using Regional Concepts, Richard A. Gardner and Mahlon B. White, EE80:July 80:453

Utah

Coal Mining Effects on Western Groundwater Quality, Rollin H. Hotchkiss and J. Paul Riley, IRKA:July 80:1
An Evaluation of a Cloud Seeding Program in Utah, Don A. Griffith, IRKA:July 80:107
Formulating Utah's Seismic Policy for Lifelines, Delbert B. Ward and Craig E. Taylor, C080:80:202
Geomorphic Indices of Hydrologic Characteristics, R. B. White and Richard H. Hawkins, IRKB:July 80: 54

Utilities

Consideration of Seismic Hazards in Lifeline Design, A. H-S. Ang, C080:80:215
Current Equipment Practices of Utility Contractors, Jimmie Hinze and W. Bradford Ashton, CO3:Sept 79:225:14816
Economic and Seismic Hazard Mitigation for a Gas and Electric Utility, Ricahrd V. Bettinger, C080:80: 98
Formulating Utah's Seismic Policy for Lifelines, Delbert B. Ward and Craig E. Taylor, C080:80:202
Fragility of Electrical Power Equipment, Anshel J. Schiff and Donald E. Newsom, TC2:Dec 79:451: 15091
Joint Utilization of Utility Corridors, Jerry L. Machemehl, Chmn., Preprint No.80-114, Apr 80, 22pp.
Lifeline Earthquake Engineering in Japan, Keizaburo Kubo, Tsuneo Katayama and Masamitsu Ohashi, TC1:Apr 79:221:14548
Lifeline Economics and Hazard Mitigation, Le Val Lund, C080:80:78
Lifeline Engineering Approach to Seismic Qualification, Thomas L. Anderson and Douglas J. Nyman, TC1:Apr 79:149:14531
Lifelines, Seismic Hazards and Public Policy, Charles Conrad Thiel, Jr., C080:80:6
Making Maps by Computer—City and Utilities Team Up in Pioneer Effort, CE:Feb 79:56
Planning Initiatives for Seismic Hazard Mitigation, Dennis S. Mileti, C080:80:44
Planning of Utilities for Power Plant Construction, William F. Brittle, Preprint No.80-178, Apr 80, 12pp.
Policies for Lifeline and Critical Facility Safety, Robert A. Olson, C080:80:180
Practical Design of Pipeline Control & Flexibility, James J. Van Houtte, C080:80:121
Quantifying Hazards Information for Lifelines, Jeanne B. Perkins, C080:80:34
Reliability in Lifeline Earthquake Engineering, Kenneth W. Campbell, Ronald T. Eguchi and C. Martin Duke, TC2:Dec 79:259:15022
Research Needs in Structural Engineering, CE:Dec 79:61
A Seismic Hazard Evaluation of California, Ronald T. Eguchi, C080:80, 66pp.
Seismic Hazards: A State Government Perspective, Priscilla C. Grew, C080:80:18
Temporary Facilities — Utilities Designing Steps, Calin Popescu, Preprint No.80-178, Apr 80, 20pp.
Utility Lifelines and Economic Activity in the Context of Earthquakes, Adam Zachary Rose, C080:80:107
Water Lifeline EQ Engineering Practiced by Ebmud, Walter F. Anton, C080:80:125

Utility Theory

Construction Project Selection and Bernoulli Utility, V. K. Handa and I. F. Georgiades, CO3:Sept 80: 355:15683
Multiattribute Utility Theory and Environmental Decisions, John P. Collins and Eugene A. Glysson, EE4:Aug 80:815:15648
Probabilistic Modelling as Decision Making, Mircea Grigoriu, Daniele Veneziano and C. Allin Cornell, EM4:Aug 79:585:14736

Utilization
Digester Gas Utilization Programs, Raymond R. Rimkus, John M. Ryan and Alfred J. Michuda, EE6:Dec 80:1071:15902

Vacuum Filtration
Heat Treatment and Vacuum Filtration of Metal-Laden Municipal Sludge, Bert L. Michalczyk and Ronald F. Wukasch, EE80:July 80:25
Vacuum Filtration of Metal Hydroxide Sludges, William R. Knocke, Mriganka M. Ghosh and John T. Novak, EE2:Apr 80:363:15363

Validation
Adaptive Management Information System, Richard H. Long, James J. Kotanchik and Robert D. Logcher, TC1:Aug 80:129:15622
Airfield Pavement Demonstration-Validation Study, Donald M. Arntzen, Ernest J. Barenberg and Robert J. Krause, TE6:Nov 80:721:15813

Value Engineering
Concreting and Formwork Logistics and Optimization, Marvin Gates and Amerigo Scarpa, CO2:June 78:219:13842
Construction Cost Control by the Owner, Alfred C. Maevis, CO4:Dec 80:435:15915
Construction Cost Estimating in the Design Process, George S. Birrell, CO4:Dec 80:551:15880
Construction Planning—Beyond the Critical Path, George S. Birrell, CO3:Sept 80:389:15684
Criteria for the Selection of Construction Equipment, Marvin Gates and Amerigo Scarpa, CO2:June 80:207:15507
Decision Making and the Cost of Ignorance, Jack R. Benjamin, EFHYF:Mar 79:76
Value Engineering and Cement-Bentonite Cutoff Wall Save Dam Project for Arizona Indian Tribe, Eugene A. Miller and Gary S. Salzman, CE:Aug 80:51
Water System Improvement Program in Eugene, Oregon, James H. Brown, TE6:Nov 80:685:15839

Valves
Development of Makeup-Line Safe-Operating Criteria, Peter K. Su and Irving Joseph, HY2:Feb 80:269:15183
Hydraulic Transients Following Valve Closure, C. S. Watt, J. M. Hobbs and A. P. Boldy, HY10:Oct 80:1627:15740
Optimal Design of Aortic Leaflet Prosthesis, Dhanjoo N. Ghista, Helmut Reul, Gautam Ray and K. B. Chandran, EM1:Feb 78:97:13521
San Francisco Ocean Outfall Port Valve Development, Loring E. Hanson, Henry H.C. Lin, Allen L. Davis, John S. Readshaw and Robert T. Hudspeth, HYCO:Aug 80:51

Vane Shear Tests
Site Studies, Coastal/Geotechnical Aspects, Ralph H. Cross, George B. Tirey and Jin H. Kim, PO80:May 80:429

Vapor Pressure
Air Pollution Aspects of Land Disposal of Toxic Wastes, Thomas T. Shen and T. James Tofflemire, EE1:Feb 80:211:15213

Variability
Design Effluent Quality, Ralph E. Roper, Jr., Roger O. Dickey, Stephen Marman, Steve W. Kim and Robert W. Yandt, EE2:Apr 79:309:14518
Hydrologic Parameter Distribution on a Mine Spoil, A. S. Rogowski, IRKB:July 80:764
A Simple Method to Characterize Watershed Soils, James W. Naney and Lajpat R. Ahuja, IRKB:July 80:731
Soaked Strength of Laboratory Compacted Clay, James C. Scott, Adolph G. Altschaeffl and Charles William Lovell, GT11:Nov 79:1273:14987

Variance Analysis
Kalman Filter Modeling of the Speed River Quality, Thomas W. Constable and Edward A. McBean, EE5:Oct 79:961:14894

Vector Analysis
Matrix Operations on Large Computers, Caleb W. McCormick, CP80:June 80:72
MOVIE.BYU—A Computer Graphics Software System, Henry N. Christiansen and Michael B. Stephenson, TC1:Apr 79:3:14484
Savings in Multiple Analysis by Using Finite Elements, Som P. Virk, CP80:June 80:186

Vegetation
Beachfront Restoration Using Water Quality Programs, Owen W. Bludau, CZ80:Nov 80:2342
Coal Mine Reclamation with Native Plants, Lee E. Eddleman, IRKB:July 80:80
The East Everglades: Perservation Versus Land Use, Richard Collier, Jr., CZ80:Nov 80:2150
Effect of Out-Of-Basin Water Diversions on Instream Flow Needs, Wayne S. Gentry, IRKA:July 80:52
Evaluating Hydrologic Responses to Forest Activities, Charles C. Avery and Malchus B. Baker, Jr., IRKB:July 80:485
Impacts of Water Development and Coastal Engineering on Barrier Island Erosion Rates, Arthur R. Benton, Jr., ASDC:80:191
Infiltration and Curve Numbers: Some Pragmatic and Theoretic Relationships, Richard H. Hawkins, IRKB:July 80:925
Land Imprinting for Better Watershed Management, Robert M. Dixon and John R. Simanton, IRKB:July 80:809
Modeling Sediment Filtration by Vegetative Filters, Billy J. Barfield and J. C. Hayes, IRKB:July 80:98
Reducing Salinity of Surface Runoff from Rangeland, R. Gordon Bentley, Eric B. Janes and Keith O. Eggleston, IRKB:July 80:69
Subdivision of Rural Land and Recreatioaal Area Development—Eildon Reservoir, Bruce Kenneth Willersdorf, ASDC:80:150
The Use of Synthetic Fabrics in Coastal Dune Stabilization, Donald K. Stauble, CZ80:Nov 80:2190
Watershed Parameters as Influenced by Grazing, W. H. Blackburn, R. W. Knight, M. K. Wood and L. B. Merrill, IRKB:July 80:552

Vegetative Cover
Combined Vegetative-Structural Slope Stabilization, Donald H. Gray, Andrew T. Leiser and Charles A. White, CE:Jan 80:82
Modeling Sediment Filtration by Vegetative Filters, Billy J. Barfield and J. C. Hayes, IRKB:July 80:98

Vehicle Impact Forces
Protective Structure Response to Vehicle Impact, John J. Labra, ST6:June 79:991:14622
Vibration Of A Steel Truss Highway Bridge, Celal N. Kostem, Robert T. Reese and T. Robert Kealey, EM81:Jan 81:61

Vehicles
Bridge Analysis and Rating System, Hasmukh M. Lathia, TC1:Apr 79:211:14538
Dynamics and Optimal Design of AGT System, Levon Minnetyan, Richard B. Nelson and D. Lewis Mingori, ST4:Apr 80:897:15365
Economic Effect of Heavy Trucks on Highways, C. Michael Walton and Dock Burke, MGC:July 80:105
Proposed Vehicle Loading of Long-Span Bridges, Peter Graham Buckland, Frank P.D. Navin, Jim V. Zidek and John P. McBryde, ST4:Apr 80:915:15306
Recent Safety Developments in Vehicles, King K. Mak, HW80:Mar 80:199
Service Quality Implications of Transbus, Steven E. Polzin and Joseph L. Schofer, TE5:Sept 79:561:14862

Virginia Vehicle-Related Revenue Forecasts, Antoine G. Hobeika, Frank Tamberrino, Apisak Boonpuan and Harvey Goldstein, TE1:Jan 80:43:15143

Vehicle Safety
Highway Safety Research and Implementation, Edwin M. Wood, HW80:Mar 80:207
Implementing Highway Safety Improvements, Thomas A. Hall, Chmn., HW80:Mar 80
Recent Safety Developments in Vehicles, King K. Mak, HW80:Mar 80:199

Vehicle Usage
Transportation/Air Quality Planning in Small Areas, Thomas P. Kozlowski and George Schoener, CAAA:Nov 79:306

Vehicular Traffic
Analysis of Nonattainment Area Plan for TSP, C. Philip Arthur, CAAA:Nov 79:206
Honolulu International Airport Groundside Plan, Edward C. Stevenson and Julian Ng, MGC:July 80:212

Velocity
Debris Flow on Prismatic Open Channel, Tamotsu Takahashi, HY3:Mar 80:381:15245
Estimating Average Velocity in Gravel-Bed Rivers, Dale I. Bray, HY9:Sept 79:1103:14810
Fall Velocity of Shells as Coastal Sediment, Ashish J. Mehta, Jieh Lee and Bent A. Christensen, HY11:Nov 80:1727:15795
Low Velocity Projectile Penetration of Clay, Umesh Dayal, John H. Allen and Dronnadula V. Reddy, GT8:Aug 80:919:15657
A Model Structure for Stream Systems, John B. Stall, HYCO:Aug 80:98
Open Channel Flow with Varying Bed Roughness, Donald W. Knight and J. Alasdair Macdonald, HY9:Sept 79:1167:14839
Projectile Penetration into Steel, Anil K. Kar, ST10:Oct 79:1871:14874
Scour Around Bridge Piers at High Flow Velocities, Subhash C. Jain and Edward E. Fischer, HY11:Nov 80:1827:15845
Sediments Suspended in Stream Flow, Sergei M. Antsyferov and Ruben D. Kos'yan, HY2:Feb 80:313:15216
Turbulent Jets in Co-Flowing Streams, Pande B.B. Lal and Nallamuthu Rajaratnam, EM6:Dec 79:1025:15043
Velocity Measurement of Free-Fall SPT Hammer, William D. Kovacs, GT1:Jan 79:1:14313

Velocity Distribution
Flow Regime in Helical Long-Path Emitters, S. Tal and Benjamin Zur, IR1:Mar 80:27:15291
Flow Resistance of Large-Scale Roughness, James C. Bathurst, HY12:Dec 78:1587:14239
Mathematical Model for Staged Diffuser Discharge, Dominique N. Brocard, Charles H. Beauchamp and Shih-Kuan Hsu, HYCO:Aug 80:154
Pressure Fluctuations beneath Submerged Jump, Rangaswami Narayanan, HY9:Sept 78:1331:14039
Shear-Stress Distribution in Stable Channel Bends, Mamdouh Nouh and Ronald D. Townsend, HY10:Oct 79:1233:14898
Submerged Horizontal Jet over Erodible Bed, S. S. Chatterjee and S. N. Ghosh, HY11:Nov 80:1765:15820
Unsteady Features of Flow Past a Cavity, Donald Rockwell and Charles Knisely, HY8:Aug 79:969:14773
Velocity Profiles and Minimum Stream Power, Charles C.S. Song and Chih Ted Yang, HY8:Aug 79:981:14780

Velocity Head
Dividing-Flow Manifolds with Square-Edged Laterals, Herbert E. Hudson, Jr., Robert B. Uhler and Robert W. Bailey, EE4:Aug 79:745:14764
Turbulence Measurements in Simulated Tidal Flow, Habib O. Anwar and Roy Atkins, HY8:Aug 80:1273:15609

Veneers
Press-Lam Timbers for Exposed Structures, John A. Youngquist, David S. Gromala, Ronald W. Jokerst, Russell C. Moody and John L. Tschernitz, ST7:July 79:1405:14673

Venezuela
Design and Construction of Short Piles for Expansive Soils in Coro, Venezuela, Leopoldo Garcia-Iturbe and Jorge Martinez, SLS:June 80:850
Modeling Pollution in Strait of Maracaibo, Gustavo Parra-Pardi, EE5:Oct 80:959:15751
Venezuelan Dock Features Unconventional Design, Quick Set-Up, CE:July 80:63

Verification Inspection
Approaches to Program Correctness, Joseph O. Harrison, Jr., TC1:Nov 78:39:14146
Dam-Break Wave Model: Formulation and Verification, Cheng-lung Chen and Jeffrey T. Armbruster, HY5:May 80:747:15395

Vertical Movement Devices
Simplified Analysis of Vertical Vibrations, Jgi-Jiang Shiau, EY2:Aug 79:251:14750

Vertical Oscillations
Vertical Vibration of Piles, Roger L. Kuhlemeyer, GT2:Feb 79:273:14393

Vessels (Ships)
Marine Fender Specifications, Robert A. Young, PO80:May 80:547

Vibration
Active Control of Flexible Structures, Mohamed Abdel-Rohman and Horst H. Leipholz, ST8:Aug 78:1251:13964
Active Tendon Control of Structures, Jann-Nan Yang and Fanis Giannopoulos, EM3:June 78:551:13836
Aerodynamic Response of Long H-Sections, Francis J. Maher and Larry E. Wittig, ST1:Jan 80:183:15105
Ambient Vibration Tests of Suspension Bridge, Ahmed M. Abdel-Ghaffar and George W. Housner, EM5:Oct 78:983:14065
Blasting Vibration Limits on Freshly Placed (Green) Concrete, Allen J. Hulshizer and Ashok J. Desai, Preprint No.80-661, Oct 80, 14pp.
Coefficients of Soil Reaction to Pile Vibration, Toyoaki Nogami and Milos Novak, TN: GT5:May 80:565:15432
Construction and Design of Large Cooling Towers, Wolfgang Zerna and Ihsan Mungan, ST2:Feb 80:531:15217
Construction Vibrations — State-of-the-Art, John F. Wiss, Preprint No.80-175, Apr 80, 26pp.
Control of Noise and Vibration in Buildings Near Subways, A. Paolillo and H. Podolsky, EE80:July 80:414
Damping Of A Floor Sample, Johann H. Rainer and Gerald Pernica, EM81:Jan 81:859
Damping of Frames with Constrained Viscoelastic Layers, Dario A. Gasparini, Amitabha Deb Chaudhury and Lawrence W. Curry, ST1:Jan 80:115:15113
Dynamic Analysis of Equipment-Structure Systems, Jerome L. Sackman and Armen Der Kiureghian, EM81:Jan 81:731
Dynamic Compaction of Granular Soils, Gerald A. Leonards, William A. Cutter and Robert D. Holtz, GT1:Jan 80:35:15144
Dynamic Of Low-Profile Ship Loading Container Cranes, Dr. Robert T. Ratay and Tibor Szegezdy, EM81:Jan 81:760
Dynamic Response of Pile-Supported Frame Foundations, Fakhry Aboul-Ella and Milos Novak, EM6:Dec 80:1215:15895
Dynamic Response With Foundation Interaction, Timothy O. Weaver, Furman W. Barton and Richard T. Eppink, EM81:Jan 81:252
Dynamics and Optimal Design of AGT System, Levon Minnetyan, Richard B. Nelson and D. Lewis Mingori, ST4:Apr 80:897:15365

Dynamic Shear Modulus of Treated Expansive Soils, Wing-Cheong Au and Yong S. Chae, GT3:Mar 80: 255:15287
Dynamics of Vibratory-Roller Compaction, Tai-Sung Yoo and Ernest T. Selig, GT10:Oct 79:1211:14907
Dynamic Stiffness and Damping of Pile Groups in Inhomogeneous Soil, Toyoaki Nogami, GTA80:Oct 80:31
Dynamic Stiffness Matrices for Viscoelastic Half Planes, Gautam Dasgupta and Anil K. Chopra, EM5:Oct 79:729:14888
The Effects of Static Loads on Dynamic Response, Som P. Virk, CP80:June 80:132
Experimental Dynamics of Highway Bridges, Bruce M. Douglas, Charles D. Drown and Monty L. Gordon, EM81:Jan 81:698
Field Study of Pipe Driving Effects on Nearby Structures, David M. Holloway, Yoshiharo Moriwaki, Edward C. Demsky, Bruce H. Moore and Jean Yves Perez, Preprint No.80-175, Apr 80, 38pp.
Flow Induced Vibration in Circulating Water System, Frank Bakes and Ben P. McGoodwin, TN: HY8: Aug 80:1394:15590
Forced Vibrations of Cable Networks, Louis F. Geschwindner, Jr. and Harry H. West, ST9:Sept 80: 1885:15681
Foundation Response to Soil Transmitted Loads, Satya Narayan Varadhi and Surendra K. Saxena, GT10:Oct 80:1121:15763
Free Torsional Vibrations of Suspension Bridges, Ahmed M. Abdel-Ghaffar, ST4:Apr 79:767:14535
Free Vibrations of Taut and Slack Marine Cables, Steven E. Ramberg and Owen M. Griffin, ST11: Nov 77:2079:13321
Frequency Analysis of Flat Cable Nets: A Simple Model, Barrington deV. Batchelor and Murari L. Gambhir, EM6:Dec 80:1249:15903
Frequency Content in Earthquake Simulation, Loren D. Lutes and Kiat Lilhanand, EM1:Feb 79:143: 14391
Glass Curtain Wall Elements:Properties and Behavior, Barry J. Goodno, ST6:June 79:1121: 14656
Macaulay's Method: A Generalization, TN: EM3: June 79:459:14603
Optimal Control of Civil Engineering Structures, Mohamed Abdel-Rohman, Victor H. Quintana and Horst H. Leipholz, EM1:Feb 80:57:15192
Parametric Investigations of Vibrating Cable Networks, Louis F. Geschwindner, Jr. and Harry H. West, ST3:Mar 79:465:14436
Park River Auxiliary Tunnel, Edwin A. Blackey, Jr., CO4:Dec 79:341:15076
Precipitator Plate Imperfections and Eccentricities, Dennis A. Nagy and David P. Billington, EY2:Aug 79:181:14747
Probability of Response to Evolutionary Process, Polihronis-Thomas Demetriou Spanos and Loren D. Lutes, EM2:Apr 80:213:15313
Response of Beams on Elastic Foundations to Dynamic Loading, Bharat Bhushan Prasad and N. S.V. Kameshwar Roa, TN: EM1:Feb 80:179:15164
Seismic Response of Hemispherical Foundation, Steven M. Day and Gerald A. Frazier, EM1:Feb 79:29:14339
Seismic Site Response of Nonlinear Soil Media, Peter W. Taylor and Thomas J. Larkin, GT3:Mar 78:369: 13597
Shaking Table Earthquake Response of Steel Frame, David T. Tang and Ray W. Clough, ST1:Jan 79: 221:14324
Shear Moduli and Damping Factors of Earth Dam, Ahmed M. Abdel-Ghaffar and Ronald F. Scott, GT12:Dec 79:1405:15034
Simplified Analysis of Vertical Vibrations, Jgi-Jiang Shiau, EY2:Aug 79:251:14750
Simplified Investigation of Floors under Foot Traffic, Rachel Becker, ST11:Nov 80:2221:15804
Size Determination of Partly Full Conduits, Yusuf G. Mussalli, HY7:July 78:959:13862
Structural Response of Traveling Seismic Waves, Stuart D. Werner, Li Chi Lee, Hung Leung Wong and Mihailo D. Trifunac, ST12:Dec 79:2547:15059
Suspension Bridge Vibration: Continuum Formulation, Ahmed M. Abdel-Ghaffar, Preprint No.80-018, Apr 80, 22pp.
Suspension Bridge Vibrations: Computed and Measured, Peter Graham Buckland, Roy Hooley, Brian D. Morgenstern, Johann H. Rainer and Aegide M. van Selst, ST5:May 79:859:14557
Transient Analysis of Light Equipment in Structures, Jerome L. Sackman and J. M. Kelly, EM81:Jan 81: 723
Vertical Vibration Analysis of Suspension Bridges, Ahmed M. Abdel-Ghaffar, ST10:Oct 80:2053:15759
Vertical Vibration of Machine Foundations, George C. Gazetas and Jose M. Roesset, GT12:Dec 79: 1435:15050
Vertical Vibration of Piles, Roger L. Kuhlemeyer, GT2:Feb 79:273:14393
Vibration Properties of Curved Thin-Walled Beams, Avigdor V. Rutenberg, ST7:July 79:1445:14687
Vibrations Associated with Pile Driving, William S. Heckman and D. Joseph Hagerty, CO4:Dec 78:385: 14205
Vibrations of Annular Plates of Variable Thickness, Carl T. Dyka and John F. Carney, III, EM3:June 79:361:14638
Vibrations of Curved Spans for Mass Transit, Thomas P. Joseph and James F. Wilson, EM2:Apr 80:255: 15361
Vortex-Excited Vibrations of Marine Cables, Owen M. Griffin, John H. Pattison, Richard A. Skop, Steven E. Ramberg and Dallas J. Meggit, WW2: May 80:183:15414
Wind Effects on Cooling-Tower Shells, Hans-Jurgen Niemann, ST3:Mar 80:643:15251

Vibration Analysis

Boundary Element Analysis Of Reservoir Vibration, Jagmohan L. Humar and Youssef G. Hanna, EM81:Jan 81:461
Vibration Analysis of Planar Structures, Gordon C. Li and Chandrakant S. Desai, TN: ST8:Aug 80: 1813:15591

Vibration Control

Control of Noise and Vibration in Buildings Near Subways, A. Paolillo and H. Podolsky, EE80:July 80:414

Vibration Damping

Aerodynamic Response of Long H-Sections, Francis J. Maher and Larry E. Wittig, ST1:Jan 80:183: 15105

Vibration Effects

Dynamic Compaction of Granular Soils, Gerald A. Leonards, William A. Cutter and Robert D. Holtz, GT1:Jan 80:35:15144

Vibration Measurement

Bridge Modal Indentification Problems, Gerard C. Pardoen, Athol J. Carr and Peter J. Moss, EM81: Jan 81:29
Dynamic Longitudinal Response Of An Earth Dam, Ahmed M. Abdel-Ghaffar, EM81:Jan 81:174
Measured Response of Pile Supported Machines, Gerald M. Diaz, GTDF:80:75
Measurements of On-Site Dynamic Parameters for Seismic Evaluations, Roger M. Zimmerman and Kenneth R. White, EM81:Jan 81:267
A Study of the use of Ambient Vibration Measurements to Detect Changes in the Structural Characteristics of a Building, Peter R. Sparks, Alan P. Jeary and V. C. M. de Souza, EM81:Jan 81:189

Vibration Response

Stationary Response Of Structures With Closely Spaced Modes, Armen Der Kiureghian, EM81:Jan 81:492

Vibration Tests

Bridge Modal Indentification Problems, Gerard C. Pardoen, Athol J. Carr and Peter J. Moss, EM81: Jan 81:29

Damping Measurements Of Tall Structures, George T. Taoka, EM81:Jan 81:308
Dynamic Interaction On Liquid Storage Tanks And Foundation Soil, Medhat A. Haroun and George W. Housner, EM81:Jan 81:346
Dynamic Longitudinal Response Of An Earth Dam, Ahmed M. Abdel-Ghaffar, EM81:Jan 81:174
Earthquake And Ambient Response Of EL Centro County Services Building, Gerard C. Pardoen, Gary C. Hart and Barrett T. Bunce, EM81:Jan 81:164
Modal Parameter Estimation For A Highrise Building Using Amibient Response Data Taken During Construction, M. Meyyappa, H. Palsson and J. I. Craig, EM81:Jan 81:141
A Rectilinear Force Generator For Full Scale Vibration Testing, J. I. Craig and F. D. Lewis, EM81:Jan 81:102
Structural Characterization Of Concrete Chimneys, Kalman L. Benuska, Gerald Y. Matsummoto, Everett H. Killam and John G. Diehl, EM81:Jan 81:152
System Identification: Review And Examples, Ken Blakely, Paul Ibanez, Shelley Griffith, Bob Cooper and John Stoessel, EM81:Jan 81:846
Vibration Of A Steel Truss Highway Bridge, Celal N. Kostem, Robert T. Reese and T. Robert Kealey, EM81:Jan 81:61
Vibration Test Of Structures At Varied Amplitudes, Alan P. Jeary and Brian R. Ellis, EM81:Jan 81:281
3-D Nonlinear Dynamic Analysis of Stacked Blocks, Kiyoshi Muto, Hiromoto Takase, Kiyomi Horikoshi and Hiromichi Ueno, EM81:Jan 81:917

Vibratory Compactors

Measured Effects of Vibratory Sheetpile Driving, G. Wayne Clough and Jean-Lou Chameau, GT10:Oct 80:1081:15778

Vibratory Pile Driving

Effects of Vibratory Sheetpile Driving — A Case Study, G. Wayne Clough and Jean-Lou Chameau, Preprint No.80-175, Apr 80, 36pp.

Vibratory Pile Hammers

Measured Effects of Vibratory Sheetpile Driving, G. Wayne Clough and Jean-Lou Chameau, GT10:Oct 80:1081:15778

Vibratory Sheepsfoot Rollers

Dynamics of Vibratory-Roller Compaction, Tai-Sung Yoo and Ernest T. Selig, GT10:Oct 79:1211:14907

Vierendeel Trusses

Composite Beams with Web Openings, Stuart E. Swartz and Krigo S. Eliufoo, TN: ST5:May 80: 1203:15384
Vierendeel Frame Analysis: Slope-Shear Equations, Velu Paramasivam, TN: ST11:Nov 80:2333:15791

Virginia

Assimilative Capacity of Small Streams, Chenchayya T. Bathala, Khirod C. Das and Wesley D. Jones, EE6:Dec 79:1049:15082
Coastal Storm Tide Frequency, Virginia to Delaware, Vance A. Myers and Francis P. Ho, HYUS:June 80:74
Diesel Fuel Forecasts in Virginia, Antoine G. Hobeika and Frank Tamberrino, MGC:July 80:172
Management of Hazardous Waste Using Regional Concepts, Richard A. Gardner and Mahlon B. White, EE80:July 80:453
A Strategy for Financing Coastal Erosion Control, Waldon R. Kerns and Janet Scheid, CZ80:Nov 80: 19
Virginia Ports Workshop, Carvel H. Blair, PO80:May 80:248
Virginia Vehicle-Related Revenue Forecasts, Antoine G. Hobeika, Frank Tamberrino, Apisak Boonpuan and Harvey Goldstein, TE1:Jan 80:43:15143
Wave Tank Use In Small Boat Harbor Design, Newport News, Virginia, Christopher S. Welch, Evon Paul Ruzecki, Robert James Lukens and Ching Seng Fang, PO80:May 80:614

Viruses

Ozone Inactivation of Floc Associated Viruses and Bacteria, Douglas S. Walsh, Charles E. Buck and Otis J. Sproul, EE4:Aug 80:711:15601
Transport of Viruses through Organic Soils and Sediments, Phillip R. Scheuerman, Gabriel Bitton, Allen R. Overman and George E. Gifford, EE4: Aug 79:629:14756
Virus Concentration by Ultrafiltration, Yael Rotem-Borensztajn, Eliyahu Katzenelson and Georges Belfort, EE2:Apr 79:401:14536

Viscoelasticity

Buckling of Spherical Viscoelastic Shells, A. M. Vinogradov and Peter G. Glockner, ST1:Jan 80:59: 15116
Damping of Frames with Constrained Viscoelastic Layers, Dario A. Gasparini, Amitabha Deb Chaudhury and Lawrence W. Curry, ST1:Jan 80: 115:15113
Dynamic Stiffness Matrices for Viscoelastic Half Planes, Gautam Dasgupta and Anil K. Chopra, EM5:Oct 79:729:14888
Nonlinear Creep of Concrete—Adaptation and Flow, Zdenek P. Bazant and Sang-Sik Kim, EM3:June 79: 429:14654
Nonlinear Static and Dynamic Deformations of Viscoelastic Cables, Brian J. Sullivan and Steven C. Batterman, EM3:June 80:543:15500
Rectangular Plates on Linear Viscoelastic Foundations, Keiichiro Sonoda and Harutoshi Kobayashi, EM2:Apr 80:323:15307
Viscoelastic Inclusion Problem, Norman Laws, EM5: Oct 80:915:15736
Viscoelasticity of Solidifying Porous Material—Concrete, Zdenek P. Bazant, EM6:Dec 77:1049: 13432

Viscoplasticity

Slope-Deflection for Elastic-Viscoplastic Frames, Rong C. Shieh, EM6:Dec 79:953:15052
Thermodynamics of Solidifying or Melting Viscoelastic Material, Zdenek P. Bazant, EM6:Dec 79:933:15041
Viscoplasticity and Creep of Three-Bar Linkage, Terry D. Hinnerichs and Anthony N. Palazotto, TN: EM3:June 80:567:15448
Viscoplasticity of Normally Consolidated Clays, Atilla M. Ansal, Zdenek P. Bazant and Raymond J. Krizek, GT4:Apr 79:519:14546
Viscoplasticity of Transversely Isotropic Clays, Zdenek P. Bazant, Atilla M. Ansal and Raymond J. Krizek, EM4:Aug 79:549:14738

Viscosity

Constant and Variable Eddy Viscosity Flow Simulations in Settling Tanks, David R. Schamber and Bruce E. Larock, HYCO:Aug 80:345
Debris Flow on Prismatic Open Channel, Tamotsu Takahashi, HY3:Mar 80:381:15245
Flow Characteristics in Two-Dimensional Expansions, Prabhulal R. Mehta, HY5:May 79:501: 14579
Loading Rate Effects on Compressibility of Sand, John G. Jackson, Jr., John Q. Ehrgott and Behzad Rohani, GT8:Aug 80:839:15640

Viscous Flow

Damping of Gravity Waves Over Porous Bed, Kewal K. Puri, HY2:Feb 80:303:15214

Visibility

Human Orientation in Transportation Terminals, John P. Braaksma and W. Jordan Cook, TE2:Mar 80:189:15274

Visual Perception

Visualization of Separation Over Sand Waves, M. Emin Karahan and Allan W. Peterson, HY8:Aug 80:1345:15652

Void Ratio
Organic Material and Soil Compressibility, Orlando B. Andersland and Abdul-Amir W.N. Al-Khafaji, GT7:July 80:749:15546

Volatility
Air Pollution Aspects of Land Disposal of Toxic Wastes, Thomas T. Shen and T. James Tofflemire, EE1:Feb 80:211:15213

Volcanic Ash
Mount St. Helens Eruption—Impact and Civil Engineering Response, CE:Aug 80:72

Volcanoes
Mount St. Helens Eruption—Impact and Civil Engineering Response, CE:Aug 80:72

Volume Change
Characterization of Expansive Soils Using Soil Suction Data, Donald R. Snethen, SLS:June 80:54
In-Situ Volume-Change Properties by Electro-Osmosis - Theory, Sunirmal Banerjee and James K. Mitchell, GT4:Apr 80:347:15370
The Prediction of Total Heave, D. G. Fredlund, J. U. Hasan and H. L. Filson, SLS:June 80:1
Strain Controlled Testing of Expansive Soils, Andrew A. Porter and John D. Nelson, SLS:June 80:34
Viscoplasticity of Transversely Isotropic Clays, Zdenek P. Bazant, Atilla M. Ansal and Raymond J. Krizek, EM4:Aug 79:549:14738

Volume Measure
Earthwork Quantity Surveys at Damsites, Kevin B. Flynn, ASDC:80:124

Vortices
Application of a Consistent Vortex Scaling Law, Eugene Chang, HYCO:Aug 80:272
Calculated Examples Of Long-Span Bridge RESPONSE TO WIND, Lawrence Rubin and Robert H. Scanlan, EM81:Jan 81:307
Flow Visualization in Complex Turbulent Flows, Louis H.Y. Lee and Joseph A. Clark, HY2:Feb 80: 247:15209
Modeling in Design of Pumping Pits, James Paul Tullis, HY9:Sept 79:1053:14812
Tornado Wind Effects On The Grand Gulf Cooling Towers, T. Theodore Fujita, EM81:Jan 81:555
Vortex-Excited Vibrations of Marine Cables, Owen M. Griffin, John H. Pattison, Richard A. Skop, Steven E. Ramberg and Dallas J. Meggit, WW2: May 80:183:15414
Vortex Formation at Vertical Pipe Intakes, Akalank K. Jain, Kittur G. Ranga Raju and Ramachandra J. Garde, HY10:Oct 78:1429:14104

Wages
Cost Impacts of Prevailing Wage Laws in Construction, Raymond E. Levitt and Clinton C. Bourdon, CO4:Dec 79:281:15019
Union Versus Nonunion Construction in the U.S., Raymond E. Levitt and Clinton C. Bourdon, CO4: Dec 79:289:15020

Wakes
Plane Turbulent Wall Wakes, Nallamuthu Rajaratnam and Sri P. Rai, EM5:Oct 79:779:14882

Wall Friction
Flow Visualization in Complex Turbulent Flows, Louis H.Y. Lee and Joseph A. Clark, HY2:Feb 80: 247:15209

Walls
Allowable Wind Loads on Wood Construction Stakes, Clayford T. Grimm, CO3:Sept 79:263:14857
Applications of Slurry Walls in Civil Engineering, Safdar A. Gill, CO2:June 80:155:15479
Assessment of Empirical Concrete Impact Formulas, George E. Sliter, ST5:May 80:1023:15411
Cyclic Response Of Steel-Stud Framed Wall Panels, Thomas S. Tarpy, Jr., EM81:Jan 81:631
Differential Movement in Composite Load-Bearing Masonry Walls, Clayford T. Grimm and David W. Fowler, ST7:July 79:1277:14666
Dynamic Characteristics of Coupled Shear Walls, Amiya K. Basu, Ashok K. Nagpal, Ravinder S. Bajaj and Ashok K. Guliani, ST8:Aug 79:1637: 14783
Estimating Masonry Wall and Column Costs, Clayford T. Grimm, CO4:Dec 77:627:13413
Finite Element Model for Masonry, Adrian W. Page, ST8:Aug 78:1267:13957
Frame-Wall Systems with Rigidly Jointed Link Beams, Amiya K. Basu and Ashok K. Nagpal, ST5: May 80:1175:15426
Infilled Walls for Earthquake Strengthening, Lawrence F. Kahn and Robert D. Hanson, ST2:Feb 79:283:14364
Nonlinear Elastic Analysis of Panelized Shear Sandwich Walls, Paul P. Fazio and Santi Rizzo, ST6:June 79:1187:14649
Plane Turbulent Wall Wakes, Nallamuthu Rajaratnam and Sri P. Rai, EM5:Oct 79:779:14882
Pumping Due to Unbiased Local Wall Oscillations, David Stavitsky and Enzo Macagno, EM4:Aug 80: 677:15619
Racking Strength of Light-Frame Nailed Walls, Roger L. Tuomi and William J. McCutcheon, ST7: July 78:1131:13876
Response of Coupled Walls to Earthquake Loading, John M. Lybas, Preprint No.80-541, Oct 80, 11pp.
Seismic Design of Concrete Block Masonry Shear Walls, Robert E. Englekirk and Gary C. Hart, Preprint No.80-681, Oct 80, 13pp.
Steel Plate Shear Walls Resist Lateral Load, Cut Costs, Richard G. Troy and Ralph M. Richard, CE: Feb 79:53
Stress Reduction Design Factors for Masonry Walls, James Colville, ST10:Oct 79:2035:14912
Submerged Horizontal Jet over Erodible Bed, S. S. Chatterjee and S. N. Ghosh, HY11:Nov 80:1765: 15820
Vibration Analysis of Planar Structures, Gordon C. Li and Chandrakant S. Desai, TN: ST8:Aug 80: 1813:15591
A Wall Solves a Classroom Problem, John Peterson, Preprint No.80-502, Oct 80, 5pp.

Warehouses
Application of POA to Transshipment Terminals, A. T. Yu and Daniel Mahr, PO80:May 80:126

Warpage
Restrained Warping in Free-Standing Staircases, Erling A. Smith, TN: ST3:Mar 80:734:15231
Torsional Stiffening of I-Girder Webs, Conrad P. Heins and Robert A. Potocko, ST8:Aug 79:1689: 14788
Torsional Stresses in Circularly Curved Bars, Chirasak Thasanatorn and Walter D. Pilkey, ST11: Nov 79:2327:14984

Washers (Spacers)
Thin Light-Gage Bolted Connections Without Washers, Robert T. Gilchrist, Jr. and Ken P. Chong, ST1:Jan 79:175:14306

Washing
Port Reception Facilities and the Coastal Zone, Henry S. Marcus, CZ80:Nov 80:1594

Washington
Analysis of Floating Bridges: The Hood Canal Bridge, Rene W. Luft, EM81:Jan 81:1
Areawide Water System Planning in Washington State, Richard Siffert, Preprint No.80-161, Apr 80, 14pp.
The Coast in Washington State, Charles H. Odegaard, CZ80:Nov 80:1354
Conflict Resolution: Lessons from Grays Harbor, Nan Evans, CZ80:Nov 80:776
Dynamic Response of the hood Canal Floating Bridge, B. J. Hartz, EM81:Jan 81:16

Federal Consistency—Is It Working? A Perspective From the Pacific Northwest, Donald E. Lawyer, CZ80:Nov 80:2123
Intercity Bridge: First Major U.S. Cable-Stayed Bridge, Arvid Grant, CE:June 79:71
Mount St. Helens Eruption—Impact and Civil Engineering Response, CE:Aug 80:72
Port Permitting Problems, Marcia Kenney, CZ80:Nov 80:791
Remote Sensing in Archaeological Sampling Designs, Robert C. Dunnell, TE3:May 80:349:15428
Two Pacific Region Peoplemovers, Gary A. Weinstein, MGC:July 80:315
Visual Impacts of Port Development in Seattle, Iain M. Robertson and William G.E. Blair, CZ80:Nov 80:917
Washington I-205 — A Community Project, Dick Carroll, Preprint No.80-121, Apr 80, 16pp.
Washington's Automated Coastal Data Base: The Coastal Zone Atlas, Sue Wenke and Marc Horton, CZ80:Nov 80:2291

Washington, D.C.
ICPRB and Washington Metro Water Management, Daniel P. Sheer and Paul W. Eastman, WR1:Mar 80:303:15283
A One-Dimensional Flow Model of the Potomac River, Raymond W. Schaffranek and Robert A. Baltzer, HYCO:Aug 80:292
Regional Versus Local Water Supply Planning in the Metro Washington, D.C. Area, James E. Crews, Preprint No.80-589, Oct 80, 9pp.
Seasonal Water Chemistry in the Tidal Potomac River, David H. Peterson, CZ80:Nov 80:1558
Submersed Aquatic Vegetation in the Tidal Potomac, Virginia Carter, James E. Paschal, Jr. and G. Michael Haramis, CZ80:Nov 80:1537
Washington METRO: A People's Eye View, Ann E. Seltz-Petrash, CE:June 79:59

Waste Assimilative Capacity
Modeling Waste Assimilation After Channelization, Edward C. Davis and Edward L. Thackston, EE80: July 80:153

Waste Disposal
Analysis of Landfills with Historic Airphotos, Thomas L. Erb, Warren R. Philipson, William L. Teng and Ta Liang, AS80:Aug 80:15
Biokinetics of Phosphorus Removal in PHOSTRIP Activated Sludge, Raymond W. Reagan and John B. Nesbitt, EE80:July 80:282
Broad Area Searches for Hazardous Waste Disposal, Allen W. Hatheway, Pickett T. Simpson and John L. Splendore, EE80:July 80:329
Case Study of a Hazardous Waste Disposal Facility, David E. Murray, EE80:July 80:433
Data Base Use for Regional Environmental Planning, Lyman F. Wible, TE5:Sept 80:559:15677
Energy Recovery From Waste and Biomass—Site Specific Economic Studies, Roger C. Bales, Ira J. Wright and Lory E. Larson, EE80:July 80:582
Environmental Considerations for Fly Ash Disposal, Thomas L. Theis and Jerry J. Marley, EY1:Jan 79: 47:14286
Environmental Effects of Water Reuse Scheme, Emanuel Idelovitch, EE3:June 80:561:15466
Filtration for Treating Metal-Finishing Wastes, Charles H.H. Yeh and Mriganka M. Ghosh, EE80: July 80:546
Fluoride, Nitrate, Arsenic, and Selenium Removal From Small Community Water Supplies, Dennis Clifford, Maheyar Bilimoria, Gurinder Singh and Tom Sorg, EE80:July 80:514
Granular Media Filtration of Dredging Effluents, Dimitrios K. Atmatzidis, Joseph A. FitzPatrick and Raymond J. Krizek, WW1:Feb 79:33:14342
How New Jersey is Handling Its Hazardous Wastes, CE:Sept 79:81
The Impacts of the Resource Conservation and Recovery Act on Wood Fired Energy Systems, Hugh T. Carson and Dennis W. Weeter, EE80:July 80:508
Indirect Techniques for Investigating Hazardous Waste Burial Sites, Richard C. Dorrler, EE80:July 80:576
Land Disposal of Coal Gasification Residue, William J. Boegly, Jr., Henry W. Wilson, Jr., Chester W. Francis and E. C. Davis, EY2:Oct 80:179:15757
Landfill Management for Double Alkali Sulfur Dioxide Scrubber Sludge, Raymond J. Krizek, EY2: Aug 79:229:14742
Land Treatment Design Based on Long-Term Operation, Daniel J. Hinrichs and Richard Thomas, EE80:July 80:355
Leachates from Solid Waste Recovery Operations, A. Douglas Rademaker and James C. Young, Preprint No.80-040, Apr 80, 22pp.
Leach Characteristics of Coal-Gasification Char, Richard G. Luthy, Pantelis Vassiliou and Mark J. Carter, EE1:Feb 80:81:15171
Location and Remediation of Abandoned Hazardous Wastes Sites, Norman H. Nosenchuck, EE80:July 80:560
Long-Term Geologic Storage of Spent Fuel, A. David Rossin, ST7:July 80:1475:15538
The Love Canal Remedial Action Report, Joseph L. Slack, EE80:July 80:564
Managed On-Site Disposal in Unsewered Areas, George E. Wilson, Jerry Y.C. Huang, George Tchobanoglous and Gil Wheeler, EE3:June 79:583: 14619
Management of Hazardous Waste Using Regional Concepts, Richard A. Gardner and Mahlon B. White, EE80:July 80:453
Methane Migration Around Sanitary Landfills, Charles A. Moore, Iqbal S. Rai and Ayad A. Alzaydi, GT2:Feb 79:131:14372
Minimizing Treatment Costs in Multiplant Settings, J. Jeffrey Peirce, Erhard F. Joeres and Martin H. David, WR2:July 80:427:15557
NEWCO and SCA — Harbingers for Future Hazardous Waste Siting Wrangles?, Peter N. Skinner, EE80:July 80:657
Overland/Instream Contaminant Migration Modeling, Stuart M. Brown and Yasuo Onishi, HYCO:Aug 80:397
Secure Land Burial of Hazardous Wastes: A State-of-the-Art Example, Robert D. Mutch, Jr., EE80:July 80:426
Summary: Geologic Considerations in Hazardous-Waste Disposal, Keros Cartwright, Robert H. Gilkeson and Thomas M. Johnson, Preprint No.80-624, Oct 80, 5pp.
Synfuel Facilities: Environmental Control Strategies, Warren H. Chesner and Howard Wiseman, EE80: July 80:504
TEACUP Pretreatment of Wastewaters, George E. Wilson, EE80:July 80:651
Wastewater Risk Assessment, Neil J. Hutzler and William C. Boyle, EE5:Oct 80:919:15748
Wet Disposal of Fossil Plant Wastes, Keith A. Kessler, Preprint No.80-660, Oct 80, 14pp.
Zero Discharge Waste Management for a Coal-Fired Power Plant under Environmental and Resource Constraints, R. T. Fellman, M. F. Kuo, H. H. Yeh and J. F. Fitzpatrick, EE80:July 80:221

Waste Heat
Heat Recirculation Induced by Thermal Diffusers, Joseph H.W. Lee, Gerhard H. Jirka and Donald R.F. Harleman, HY10:Oct 79:1219:14929
Hybrid Cooling System Thermodynamics and Economics, Arthur R. Giaquinta, Thomas E. Croley, II and Tai-Dan Hsu, EY1:Apr 80:89:15319
Near Field Mixing of Staged Diffuser, Joseph H.W. Lee, HY8:Aug 80:1309:15654

Waste Recycling
Regional Resource Recovery Center Cost Analysis, Paul L. Bishop, Elizabeth Howard, Marcia Flinkstrom, Cindy White and Robert Cook, EE5: Oct 80:977:15760

Wastes
Anaerobic Digestion of Cannery Tomato Solid Wastes, David J. Hills and Ronald S. Dykstra, EE2:Apr 80:257:15318
Broad Area Searches for Hazardous Waste Disposal, Allen W. Hatheway, Pickett T. Simpson and John L. Splendore, EE80:July 80:329
Case Study of a Hazardous Waste Disposal Facility, David E. Murray, EE80:July 80:433
Classification of Hazardous Wastes, Albert J. Klee and Michael U. Flanders, EE1:Feb 80:163:15205
Filtration for Treating Metal-Finishing Wastes, Charles H.H. Yeh and Mriganka M. Ghosh, EE80: July 80:546
Location and Remediation of Abandoned Hazardous Wastes Sites, Norman H. Nosenchuck, EE80:July 80:560
Management of Hazardous Waste Using Regional Concepts, Richard A. Gardner and Mahlon B. White, EE80:July 80:453
NEWCO and SCA — Harbingers for Future Hazardous Waste Siting Wrangles?, Peter N. Skinner, EE80:July 80:657
RCRA Implementation and the Environmental Engineer's Role, John Lynch, EE80:July 80:199
Secure Land Burial of Hazardous Wastes: A State-of-the-Art Example, Robert D. Mutch, Jr., EE80:July 80:426
Siting of Hazardous Waste Management Facilities, Dawn D. Roderique and Timothy D. Van Epp, EE80:July 80:320

Waste Stabilization Ponds
Dynamic Nutrient Cycle for Waste Stabilization Ponds, Raymond A. Ferrara and Donald R.F. Harleman, EE1:Feb 80:37:15168

Waste Storage
Deep Storage of Nuclear Waste: Structural Issues, David A. Day, EY2:Oct 80:201:15746

Waste Treatment
Alpha, Beta, and Theta Factors For Oxygen Transfer Testing, Michael K. Stenstrom and R. Gary Gilbert, EE80:July 80:86
Aquaculture Systems for Wastewater Treatment, Edward R. Pershe, EE80:July 80:103
Comparative Metals Precipitation Techniques, Lynn P. Croy and William R. Knocke, EE80:July 80:534
Dynamic Nutrient Cycle for Waste Stabilization Ponds, Raymond A. Ferrara and Donald R.F. Harleman, EE1:Feb 80:37:15168
Efficiences of Advanced Waste Treatment Obtained with Upgraded Trickling Filters, Dan P. Morris, Denny S. Parker, Marvin L. Daniels and Eben L. Owens, CE:Sept 80:78
Large Advance Waste Treatment Plants, Donald E. Eckmann, TN: EE4:Aug 80:840:15588
Management of Hazardous Waste Using Regional Concepts, Richard A. Gardner and Mahlon B. White, EE80:July 80:453
Modeling Framework to Address AWT Decisions, Thomas W. Gallagher and Richard P. Winfield, EE80:July 80:604
Occurence of Organic Compounds and Removal by AWT Processes, Kip Kuchon, EE80:July 80:612
Offshore Artificial Islands — Energy Ports of the Future?, Eugene Chesson, PO80:May 80:61
Regional Waste Treatment Plant: The Consultant's View, William M. Bishop, Preprint No.80-613, Oct 80, 4pp.
Vacuum Filtration of Metal Hydroxide Sludges, William R. Knocke, Mriganka M. Ghosh and John T. Novak, EE2:Apr 80:363:15363
Zero Discharge Waste Management for a Coal-Fired Power Plant under Environmental and Resource Constraints, R. T. Fellman, M. F. Kuo, H. H. Yeh and J. F. Fitzpatrick, EE80:July 80:221

Wastewater
Aerosols in the Treatment Plant Environment, C. Richard Walter and Guy D. Van Doren, EE80:July 80:488
Alpha, Beta, and Theta Factors For Oxygen Transfer Testing, Michael K. Stenstrom and R. Gary Gilbert, EE80:July 80:86
Biokinetics of Phosphorus Removal in PHOSTRIP Activated Sludge, Raymond W. Reagan and John B. Nesbitt, EE80:July 80:282
CAPDET—Cost Estimating for Wastewater Treatment, M. John Gullinane, Jr., CP80:June 80: 320
Disposal of Hazardous Toxic Munition Waste, Irving Forsten, EE80:July 80:440
Duluth Sanitary District First in U.S. to Take Charge of Both Sewage and Refuse, Eugene E. Dallaire, CE:June 80:60
Evaluation of Land Treatment of Wastewater in California, John R. Thornton and James D. Goff, EE80:July 80:106
Forage Grass Growth on Overland Flow Systems, Antonio J. Palazzo, C. James Martel and Thomas F. Jenkins, EE80:July 80:347
Land Treatment Design Based on Long-Term Operation, Daniel J. Hinrichs and Richard Thomas, EE80:July 80:355
Metals Removal from Wastewater Sludges with Liquid-Ion Exchange, David A. Cornwell and Gary C. Cline, EE80:July 80:540
Modeling Toxicity in Methane Fermentation Systems, Gene F. Parkin and Richard E. Speece, EE80:July 80:288
Oxygen Transfer Measurements in Respiring Systems, John R. Stukenberg, EE80:July 80:78
Potential for Water Reuse—A Computer Model, Ed Smith, Steve Shelton, Manette Messenger and Barry Peterman, EE80:July 80:634
Product Case Histories: What Stands Out?, Philip V. Di Vietro, CE:Aug 79:76
Removal of Soluble Secondary-Effluent Organics, Stephen J. Randtke and Perry L. McCarty, EE4: Aug 79:727:14763
Republic Steel Recycling Over 85% of Wastewater from Steel Mill, CE:June 80:102
Sensitivity Analyses of Wastewater Treatment Plant Design Parameters, Karl G. Voelkel and Lawrence B. Polkowski, EE80:July 80:307
Underground Travel of Renovated Wastewater, Robert C. Rice and Peter Raats, EE6:Dec 80:1079: 15912
Use of Highly-Treated Wastewater to Recharge the Ground-Water Reservoir in Nassau County, Long Island, New York, David A. Aronson, EE80:July 80:214
Water Quality Evaluation of Regional Wastewater Management, Barry J. Adams and Robert S. Gemmell, EE2:Apr 80:437:15362

Wastewater Disposal
Impact of Waste Diversion on Water Quality in Lakes, Paul L. Freedman and Raymond P. Canale, EE5:Oct 79:867:14885
Local Wastewater Disposal — A Reassessment, John C. Henningson, Preprint No.80-049, Apr 80, 19pp.

Wastewater Treatment
Activated Sludge Effluent Quality Distribution, Wendell H. Hovey, Edward D. Schroeder and George Tchobanoglous, EE5:Oct 79:819:14880
Activated Sludge Process Modification Study, Hraj A. Kharajian and Joseph H. Sherrard, EE2:Apr 79: 189:14527
Aerosols in the Treatment Plant Environment, C. Richard Walter and Guy D. Van Doren, EE80:July 80:488
Aquaculture Systems for Wastewater Treatment, Edward R. Pershe, EE80:July 80:103
Biokinetics of Phosphorus Removal in PHOSTRIP Activated Sludge, Raymond W. Reagan and John B. Nesbitt, EE80:July 80:282
Biological Treatment of Synthetic Fuel Wastewater, Richard G. Luthy, Deborah J. Sekel and James T. Tallon, EE3:June 80:609:15459
Bipopulation Approach to CMAS-Process Simulation, David H. Liang, Ping-Yi Yang and Tung Liang, EE5:Oct 79:905:14914

CAPDET—Cost Estimating for Wastewater Treatment, M. John Gullinane, Jr., CP80:June 80: 320
Dynamic Estimation of Settling Basin Performance, Sadataka Shiba, Yoriteru Inoue and Yasuyo Ueda, EE6:Dec 79:1113:15045
The Effect of Complex Formation on the Removal of Heavy Metals from Water and Wastewater, C. P. Huang and A. R. Bowers, EE80:July 80:240
Energy and Costs for Agricultural Reuse of Wastewater, R. S. Sletten, Sherwood C. Reed and Eddie J. Middlebrooks, EE80:July 80:339
Energy Conservation in Activated Sludge Systems, Sal D'Angelo, H. David Stensel and J. C. Goldman, EE4:Aug 80:773:15636
Eutrophication-Related Water Quality in Dillon Reservoir, H. Kirk Horstman, G. Fred Lee and R. Anne Jones, EE80:July 80:144
Fault Tree Analysis for Wastewater Treatment, David L. Kelley and Richard C. Allison, EE6:Dec 79:1105:15031
Feasibility of Wastewater Treatment with Ferrate, Thomas D. Waite, EE6:Dec 79:1023:15030
Final Clarifiers for Activated Sludge Plants, Shankha K. Banerji, Chmn., EE5:Oct 79:803:14930
Fluidized Bed for Biological Wastewater Treatment, Theodore C. Stathis, EE1:Feb 80:227:15215
Forage Grass Growth on Overland Flow Systems, Antonio J. Palazzo, C. James Martel and Thomas F. Jenkins, EE80:July 80:347
In-Stream Aeration: A Possible Alternative to AWT?, CE:Mar 80:81
Judiciously Planned Bench Scale Studies are Extremely Valuable in AWT Process Selection, Madan L. Arora, Margaret J. Bliss and Ken M. Trompeter, EE80:July 80:100
Land Treatment Design Based on Long-Term Operation, Daniel J. Hinrichs and Richard Thomas, EE80:July 80:355
Metals Removal from Wastewater Sludges with Liquid-Ion Exchange, David A. Cornwell and Gary C. Cline, EE80:July 80:540
Modeling Framework to Address AWT Decisions, Thomas W. Gallagher and Richard P. Winfield, EE80:July 80:604
Occurence of Organic Compounds and Removal by AWT Processes, Kip Kuchon, EE80:July 80:612
Postaeration of Wastewater, Boris M. Khudenko, EE2:Apr 79:297:14534
Pretreatment Case Studies of Metal Finishers, John E. Eason, EE80:July 80:229
Pretreatment of Sewage for Heavy Metal Removals, Ju-Chang Huang and Patrick M. McCole, EE80: July 80:236
Process and Design Considerations for a 90 MPGD Wastewater Reclamation Plant, Christopher B. Cain, John W. Luesener and Egon Lazarus, Preprint No.80-155, Apr 80, 22pp.
Rational Design of Overland Flow Systems, C. James Martel, Donald Dean Adrian, Thomas F. Jenkins and Robert E. Peters, EE80:July 80:114
Reuse Alternatives in the Los Angeles Basin, Brian L. Ramaley, Gordon P. Treweek, Frank A. Grant and E. Wiley Horne, EE80:July 80:207
A Review of Design Fundamentals is Needed, Mark J. Hammer, EE80:July 80:167
River Clean-Up Plan Developed with Citizens and Industry, Harold J. Day, W. Elman, D. Theiler and R. Christianson, CE:Mar 80:78
Sensitivity Analyses of Wastewater Treatment Plant Design Parameters, Karl G. Voelkel and Lawrence B. Polkowski, EE80:July 80:307
Stochastic Approach to Waste Treatment Planning, Roger D. Hansen, A. Bruce Bishop and Rangesan Narayanan, WR1:Mar 80:275:15265
Stormwater Treatment Systems, Mitchell J. Small and Dominic M. DiToro, EE3:June 79:557:14617
A Streamlined Approach to Biological Nitrogen Removal, Laurence J. Sauter, Jr. and James E. Alleman, EE80:July 80:296
TEACUP Pretreatment of Wastewaters, George E. Wilson, EE80:July 80:651
A Ten Year Improvement in Water Quality in a Major Okanagan Valley Lake as a Result of Municipal Wastewater Phosphorus Reduction, Agris Berzins, EE80:July 80:627
Treatment of Wastewater from Refuse-to-Energy Systems, Gordon P. Treweek, Preprint No.80-025, Apr 80, 28pp.
Trickle Irrigation Using Treated Wastewaters, Gideon Oron, Gedaliah Shelef and Berta Turzynski, IR2: June 79:175:14611
Wastewater Treatment Costs: Home Conservation Effects, Wallace J. Hopp and William P. Darby, Preprint No.80-098, Apr 80, 20pp.
Wastewater Treatment for Cold Regions, Daniel W. Smith, Preprint No.80-172, Apr 80, 21pp.

Wastewater Use

Data Systems for Reuse Planning, David H. Bauer, EE80:July 80:644
Drainage Water Reuse on the Columbia Basin Project, Charles A. Neumann, Preprint No.80-095, Apr 80, 18pp.
Effluent Irrigation at Different Frequencies, Allen R. Overman, EE3:June 79:535:14626
Effluent Irrigation of Coastal Bermuda Grass, Allen R. Overman, EE1:Feb 79:55:14359
Energy and Costs for Agricultural Reuse of Wastewater, R. S. Sletten, Sherwood C. Reed and Eddie J. Middlebrooks, EE80:July 80:339
Evaluation of Land Treatment of Wastewater in California, John R. Thornton and James D. Goff, EE80:July 80:106
Health Aspects of Water Reuse in California, James Crook, EE4:Aug 78:601:13928
Planning, Design, Construction and Operation of a Reclaimed Water System, Shahnawaz Ahmad and James C. Lundie, EE80:July 80:122
Potential for Water Reuse—A Computer Model, Ed Smith, Steve Shelton, Manette Messenger and Barry Peterman, EE80:July 80:634
Process and Design Considerations for a 90 MPGD Wastewater Reclamation Plant, Christopher B. Cain, John W. Luesener and Egon Lazarus, Preprint No.80-155, Apr 80, 22pp.
Rational Design of Overland Flow Systems, C. James Martel, Donald Dean Adrian, Thomas F. Jenkins and Robert E. Peters, EE80:July 80:114
Reuse Alternatives in the Los Angeles Basin, Brian L. Ramaley, Gordon P. Treweek, Frank A. Grant and E. Wiley Horne, EE80:July 80:207
Sewage Irrigation and Recharge Consequences, Oahu, Gordon L. Dugan and L. Stephen Lau, Preprint No.80-075, Apr 80, 21pp.

Water

Detection Methods for Location of Subsurface Water and Seepage, Robert M. Koerner, Jonathan S. Reif and Michael J. Burlingame, GT11:Nov 79:1301: 14989
Drainage in the Humid Region of the Pacific Northwest, Gordon W. Stroup and Donald L. Stettler, IRKA:July 80:251
Energy Criteria for Water Use, Flora C. Wang, Howard T. Odum and Robert Costanza, WR1:Mar 80:185:15266
Forced Plumes in a Stratified Reservoir, Brian Henderson-Sellers, HY4:Apr 78:13658
Microdroplets and Transport of Moisture from Ocean, Sung C. Ling, Timothy W. Kao and Alice I. Saad, EM6:Dec 80:1327:15923
NAWDEX — A Focal Point for Information About Water Data, Melvin D. Edwards, Preprint No.80-047, Apr 80, 8pp.
Plan Better Irrigation Systems With IMS Techniques, Gordon LyFord and Monte McVay, IRKA:July 80: 243
Slow Trend for Asphalt with H_2O, John J. Carroll and Donald M. Harriott, CE:Oct 79:76
UN Water Conference: Scope for Transfer of Knowledge in Its Action Plan, Habte Mariam Neghassi, WR1:Mar 80:351:15249

Urban Waterfront Revitalization Employing Visual Preference as a Strategy for Managing Visual Resources and Facilitating Public Participation, Thomas R. Hudspeth, CZ80:Nov 80:33
Water System Improvement Program in Eugene, Oregon, James H. Brown, TE6:Nov 80:685:15839

Water Allocation (Policy)
Crop Response Information for Water Institutions, Gary D. Lynne and Roy R. Carriker, IR3:Sept 79: 221:14814
Food and Agricultural Policies, Earl O. Heady, WR1: Mar 79:151:14415
Lake Michigan Water Allocation in Illinois, Frank L. Kudrna, Donald R. Vonnahme and Kenneth L. Brewster, WR1:Mar 80:43:15232
Let's Look at Some Legal Implications of Streamflow Forecasting, Thomas M. Stetson, EFHYF:Mar 79: 312
Water Allocation and Management in the Southeast, David H. Howells, WR2:Sept 79:259:14837
Water Use Efficiency: A Case Study In NW Nevada, Johannes C. Guitjens, IRKA:July 80:365
Western Economic Development and Water Planning: Bureau of Reclamation, John E. Keith, Keith Wilde, Jay C. Andersen and Allen LeBaron, WR1:Mar 79:161:14416

Water Analysis
Water Quality Sampling Programs in Rivers, Graeme C. Dandy and Stephen F. Moore, EE4:Aug 79:695: 14757

Water Balance
Moisture Retention of Landfilled Solid Wastes, Raymond L. Huitric, Sagar Raksit and Roger T. Haug, EE80:July 80:55
Variable Drainable Porosity in Drainage Design, Ashim K. Bhattacharya and Robert S. Broughton, IR1:Mar 79:71:14433
Water Use Efficiency: A Case Study In NW Nevada, Johannes C. Guitjens, IRKA:July 80:365

Water Chemistry
Seasonal Water Chemistry in the Tidal Potomac River, David H. Peterson, CZ80:Nov 80:1558

Water Circulation
Baker Bay Circulation by Mathematical Modeling, John A. Roberson, Howard D. Copp and Bijayananda Naik, Preprint No.80-068, Apr 80, 15pp.
Calibrating the Chesapeake Bay Circulation Model?, Raymond Walton, M. A. Granat and Robert P. Shubinski, HYCO:Aug 80:387
Cooling Impoundments: Classification and Analysis, Gerhard H. Jirka and Donald R.F. Harleman, EY2: Aug 79:291:14779
Deep Water Renewal in a Subarctic Fjord, Joseph M. Colonell, Preprint No.80-046, Apr 80, 12pp.
Estuarine Circulation from Dye-Buoy Photogrammetry, John C. Munday, Jr., Christopher S. Welch and Hayden H. Gordon, PO80:May 80: 417
Finite Element Model of 2-D Stratified Flow, John D. Wang, HY12:Dec 79:1473:15049
Flow Induced Vibration in Circulating Water System, Frank Bakes and Ben P. McGoodwin, TN: HY8: Aug 80:1394:15590
Innovative Design Concept for Hydraulic Circulation of Small-Craft Harbors, Jeffrey A. Layton, Preprint No.80-137, Apr 80, 15pp.
On the Effect of the Value of the Eddy Coefficients on the Simulated Vertical Structure of Stratified Flows, Angelos N. Findikakis and Robert L. Street, HYCO:Aug 80:377
Satelite Imagery and Shoreline Erosion Prediction, Charles W. Welby, AS80:Aug 80:78
Simulated Circulation and Sedimentation in Marinas, David R. Askren, Preprint No.80-107, Apr 80, 10pp.
Thermal Discharge Investigation, Yung Y. Shen and Richard S. McGinnis, HYCO:Aug 80:13
Use of a Scale Model to Improve Pond Circulation, William A. Rozeboom, HYCO:Aug 80:1

Water Conduits
Optimal Design of Gravity Flow Water Conduits, Roberto Canales-Ruiz, HY9:Sept 80:1489:15714

Water Conservation
Corps of Engineers Initiatives in Water Supply, Donald B. Duncan, Preprint No.80-564, Oct 80, 14pp.
Effect of Water Conservation on Water Demands, William O. Maddaus and Donald L. Feuerstein, WR2:Sept 79:343:14853
New Initiatives in Water Supply and Planning: A State Perspective, Robert A. Cook, Preprint No.80-597, Oct 80, 7pp.
Potential for Water Reuse—A Computer Model, Ed Smith, Steve Shelton, Manette Messenger and Barry Peterman, EE80:July 80:634

Water Consumption
Accuracy of Harbeck Diagram for Forced Evaporation, George H. Ward, Jr., EY1:Apr 80:23: 15309
The Chicago Region's Valuable Water Resources, Clint J. Keifer, WR2:July 80:541:15569
Effect of Water Conservation on Water Demands, William O. Maddaus and Donald L. Feuerstein, WR2:Sept 79:343:14853
Hybrid Cooling System Thermodynamics and Economics, Arthur R. Giaquinta, Thomas E. Croley, II and Tai-Dan Hsu, EY1:Apr 80:89:15319
Land Use and Water System Planning, A. Lee Cesario, SU80:June 80:153

Water Content
Comparison of Areal Snow Sampling Procedures, Walter J. Rawls, Thomas J. Jackson and J. F. Zuzel, IRKB:July 80:356
Frequency Analysis of Snow Course Data, Charles E. Brockway and H. F. Mayland, IRKB:July 80:368
Hydrologic Parameter Distribution on a Mine Spoil, A. S. Rogowski, IRKB:July 80:764
Rain Infiltration into Layered Soils: Prediction, Ahmed Y. Hachum and Jose F. Alfaro, IR4:Dec 80:311:15905

Water Costs
Cost of Water Supply: Selected Case Studies, Robert M. Clark, John A. Machisko and Richard G. Stevie, EE1:Feb 79:89:14365

Water Demand
Crop Response Information for Water Institutions, Gary D. Lynne and Roy R. Carriker, IR3:Sept 79: 221:14814
Dual Recharge Well for Water Supply Stabilization, William H. Fleming, Jr. and Gerald E. Speitel, EE80:July 80:257
Effect of Water Conservation on Water Demands, William O. Maddaus and Donald L. Feuerstein, WR2:Sept 79:343:14853
Environment and Water Development in Third World, Asit K. Biswas, WR1:Mar 80:319:15295
Modeling supplement Irrigation Water Demand, J. David Dean, IR4:Dec 80:285:15897
Water Use For Electric Power Generation, David M. Snyder, K. T. Mao and Robert D. Glynn, Jr., EFHYF:Mar 79:400

Water Depth
Photobathymetry, James Collins, ASDC:80:82

Water Distribution
Air Chambers for Irrigation Systems, George E. Conant and Dorsey E. Jaspar, TE2:Mar 79:141: 14451
Application of System Optimal Depth Concept, Donald I. Norum, Gideon Peri and William E. Hart, IR4:Dec 79:357:15094
Dimensionless Advance for Level-Basin Irrigation, Albert J. Clemmens and Theodor Strelkoff, IR3: Sept 79:259:14820

Economical Pipe Sizing for Irrigation Systems, Leo A. Kinney, Jr. and Michael R. Moncrief, IRKA: July 80:445
Extended Set of Components in Pipe Networks, M. Chandrashekar, HY1:Jan 80:133:15130
Irrigation Performance: An Evaluation, William E. Hart, Gideon Peri and Gaylord V. Skogerboe, IR3: Sept 79:275:14827
Lake Michigan Water Allocation in Illinois, Frank L. Kudrna, Donald R. Vonnahme and Kenneth L. Brewster, WR1:Mar 80:43:15232
Managing Snowpack Augmentation Research, Olin H. Foehner, IRKA:July 80:85
Multiple Operating Points in Complex Pump Networks, Michael A. Collins, Leon Cooper and Jeff L. Kennington, HY3:Mar 79:229:14452
Noncomputer Optimization of Single-Source Networks, Pramod R. Bhave, EE4:Aug 78:799: 13956
Optimal Design of Water Distribution Networks, Antonio Cenedese and Paolo Mele, HY2:Feb 78: 237:13568
Optimal Irrigation Depths — A Method of Analysis, Gideon Peri, William E. Hart and Donald I. Norum, IR4:Dec 79:341:15093
Optimal Seasonal Irrigation Application Analysis, William E. Hart, Donald I. Norum and Gideon Peri, IR3:Sept 80:221:15687
Optimization in Design of Pumping Systems, Arun K. Deb, EE1:Feb 78:127:13543
Soap Films, Steiner Trees and Water Systems, Chan F. Lam and Pramod R. Bhave, HYCO:Aug 80:221
Spatial and Demographic Data: A Unified Means for Predicting Urban Service System Performance, Robert M. Clark and Richard M. Males, SU80:June 80:142
Standards for Irrigation Efficiencies of ICID, Marinus G. Bos, IR1:Mar 79:37:14457
Unsteady Flows in Water Distribution Systems, Suha Sevuk, HYCO:Aug 80:228
Water Supply Regionalization: A Critical Evaluation, Robert M. Clark, WR2:Sept 79:279:14842

Water Distribution (Applied)

Chicago Water System: Opportunities and Challenge of Lake Michigan, Richard A. Pavia, WR2:Sept 79: 371:14856

Water Flow

Air Entrainment in Radial Flow Towards Intakes, Akalank K. Jain, Kittur G. Ranga Raju and Ramachandra J. Garde, HY9:Sept 78:1323:14038
Collie River Underflow into the Wellington Reservoir, Bob Hebbert, Jorg Imberger, Ian Loh and John Patterson, HY5:May 79:533:14593
Compound Weir Discharge, Fred W. Blaisdell and Clayton L. Anderson, HY7:July 79:817:14688
Divergent Flow in the Vicinity of a Breached Dam, Nikolaos D. Katopodes, HYCO:Aug 80:310
Drain Depth and Subirrigation in Layered Soils, Yau K. Tang and R. Wayne Skaggs, IR2:June 80:113: 15457
Entrained Air in Linearly Accelerated Water Flow that, Abdin M.A. Salih, HY10:Oct 80:1595:15728
Erosion by Circular Wall Jets in Cross Flow, Nallamuthu Rajaratnam, HY11:Nov 80:1867:15842
Estuarine Circulation from Dye-Buoy Photogrammetry, John C. Munday, Jr., Christopher S. Welch and Hayden H. Gordon, PO80:May 80: 417
Friction Factors for Corrugated Plastic Drainage Pipe, Ross W. Irwin and Jiri Motycka, IR1:Mar 79: 29:14424
Head-Loss Measurements on Hydroelectric Conduits, T. Maxwell Brett, HY1:Jan 80:173:15109
Inception of Sediment Transport, Mehmet Selim Yalin and Emin Karahan, HY11:Nov 79:1433: 14975
Interaction between Main Channel and Flood-Plain Flows, Nallamuthu Rajaratnam and Reza M. Ahmadi, HY5:May 79:573:14591
Lateral Weir Flow Model, Amruthur S. Ramamurthy and Luis Carballada, IR1:Mar 80:9:15285
Low Sediment Transport Rates Over Flat Beds, Peter A. Mantz, HY7:July 80:1173:15526
Mean Air Concentration of Self-Aerated Flows, Henry T. Falvey, TN: HY1:Jan 79:91:14275
Measurements of Bed Load in Oscillatory Flow, John F.A. Sleath, WW3:Aug 78:291:13960
Optimal Design of Gravity Flow Water Conduits, Roberto Canales-Ruiz, HY9:Sept 80:1489:15714
Reservoir-Aquifer Interaction, Zachary M. Kasomekera and James N. Luthin, IRKA:July 80: 120
Shallow Wave Propagation in Open Channel Flow, Victor Miguel Ponce and Daryl B. Simons, HY12: Dec 77:1461:13392
Statistical Properties of Sediment Bed Profiles, Hsieh Wen Shen and Hin Fatt Cheong, HY11:Nov 77: 1303:13348
Steepness of Sedimentary Dunes, Mehmet Selim Yalin and Emin Karahan, HY4:Apr 79:381:14502
Techniques and Experiences in the Utilization of Unsteady Open-Channel Flow Models, Chintu Lai, Robert A. Baltzer and Raymond W. Schaffranek, HYCO:Aug 80:177
Turbulence Prediction in Open Channel Flow, Ruh-Ming Li, James D. Schall and Daryl B. Simons, HY4:Apr 80:575:15347
Unsteady Features of Flow Past a Cavity, Donald Rockwell and Charles Knisely, HY8:Aug 79:969: 14773
Use of a Scale Model to Improve Pond Circulation, William A. Rozeboom, HYCO:Aug 80:1
Wind Setup Effects in Large Open Channels, Johannes J. DeVries and Jaime Amorocho, WW3: Aug 80:319:15608

Water Hammer

Air Chambers for Irrigation Systems, George E. Conant and Dorsey E. Jaspar, TE2:Mar 79:141: 14451
Hydraulic Transients Following Valve Closure, C. S. Watt, J. M. Hobbs and A. P. Boldy, HY10:Oct 80: 1627:15740
Upsurge and Speed-Rise Charts Due to Pump Shutdown, Benjamin Donsky, Roxanne M. Byrne and Paul E. Bartlett, HY6:June 79:661:14637

Water Intakes

Air Entrainment in Radial Flow Towards Intakes, Akalank K. Jain, Kittur G. Ranga Raju and Ramachandra J. Garde, HY9:Sept 78:1323:14038
Behavior of Auxiliary Intake of Ramganga Dam at Low Levels, Hari Mohan, Heramb D. Sharma, Dharam V. Varshney and Shivaraj S. Tiagi, HY7: July 77:753:13091
Offshore Water Intakes Designed to Protect Fish, Yusuf G. Mussalli, Edward P. Taft, III and Johannes Larsen, HY11:Nov 80:1885:15798
Recent Designs of Inlet Systems for Irrigation Pipelines, Karl D. Larson, IRKA:July 80:291

Water Law

Crop Response Information for Water Institutions, Gary D. Lynne and Roy R. Carriker, IR3:Sept 79: 221:14814
Indian Water Rights in Idaho, Thomas S. Longley, WR2:July 80:439:15528

Water Level Fluctuations

Water Level Variations along California Coast, Raymond A. Smith and Robert J. Leffler, WW3: Aug 80:335:15614

Water Levels

Automatic Water-Level Control in South Africa, Klaus Merensky and Dyason Hopkins, HY11:Nov 79:1415:14992
Definition of Mean High Water Line, Gunther Greulich, TN: SU1:Nov 79:111:14943
Drainage System Design and Implementation in Southwestern British Columbia, Brian E. Baehr, IRKA:July 80:274
Forecasting Lake Levels—A Case Study, Sivajogi D. Koppula, HYUS:June 80:280

Great Lakes Storm Surge Flood Forecasting Methods, Keith W. Bedford, Mark D. Prater and Steven Dingman, HYUS:June 80:289
Physical Hydraulic Model Study of an Ice-Covered River, Robert P. Johnson and Thomas V. Kotras, HYCO:Aug 80:431
Reservoir-Aquifer Interaction, Zachary M. Kasomekera and James N. Luthin, IRKA:July 80: 120
Subdivision of Rural Land and Recreational Area Development—Eildon Reservoir, Bruce Kenneth Willersdorf, ASDC:80:150
Synthetic Storm Induced Water Level Statistics, Michael J. McCarthy and Edward J. Schmeltz, HYUS:June 80:83
Water Level Variations along California Coast, Raymond A. Smith and Robert J. Leffler, WW3: Aug 80:335:15614

Water Loss

Infiltration and Curve Numbers: Some Pragmatic and Theoretic Relationships, Richard H. Hawkins, IRKB:July 80:925
Reservoir-Aquifer Interaction, Zachary M. Kasomekera and James N. Luthin, IRKA:July 80: 120

Water Management (Applied)

Accuracy of Snowmelt Runoff Estimates, Mark E. Hawley, Richard H. McCuen and Albert Rango, IRKB:July 80:347
ADAPT: The Use of Complex Models with a Geographic Data Base, Richard M. Males, SU80: June 80:215
Applicability of Space Acquired Data for Water Resources Management, Vincent V. Salomonson, V. Ralph Algazi and Donald R. Wiesnet, EFHYF:Mar 79:125
The Columbia River Estuary Data Development Program, Gary Lawley, Robert J. Moulton and David H. Kent, CZ80:Nov 80:1159
A Comprehensive Application of A Geo-Based Information System on a Region in Colorado, Ronald L. Walters, SU80:June 80:71
Delaware River Basin Water Resources Management, Cecil H.J. Hull, WR1:Nov 78:157:14166
Development of a Dynamic Stormwater Management System, Peter E. Manz, HYUS:June 80:163
Disposal of Hazardous Toxic Munition Waste, Irving Forsten, EE80:July 80:440
Drainage Design in a Riverine Floodplain System, Robert James Motchkavitz, HYUS:June 80:369
Drainage Design of the Tampa Palms Property, Robert James Motchkavitz, IRKA:July 80:150
Economic Assessment of Storm Drainage Planning, Walter J. Rawls and Richard H. McCuen, WR1: Nov 78:45:14162
Energy-Water-Salinity: Upper Colorado River Basin, Marshall Flug, Wynn R. Walker and Gaylord V. Skogerboe, WR2:Sept 79:305:14844
Environmental Data Collection Via the Global Meteorological Satellite System for Water Management and Control, Warren L. Sharp, ASDC:80:316
Eutrophication-Related Water Quality in Dillon Reservoir, H. Kirk Horstman, G. Fred Lee and R. Anne Jones, EE80:July 80:144
Flood Plain Management Needs, G. R. Phippen, EFHYF:Mar 79:322
Ground-Water Management with Fixed Charges, Eduardo Aguado and Irwin Remson, WR2:July 80: 375:15521
Groundwater Recharge: Economic Benefit Quantified, Lonnie D. Schardt, IRKB:July 80:129
ICPRB and Washington Metro Water Management, Daniel P. Sheer and Paul W. Eastman, WR1:Mar 80:303:15283
Interactive Nonstructural Flood-Control Planning, David T. Ford, CP80:June 80:331
Laguna de Bay Water Resources Development, Ernest Pariset, EE6:Dec 77:1021:13420
Management of U.S. Water Research, Neil S. Grigg, WR1:Mar 80:143:15270
Optimization of Stormwater Management Practices, Mark M. Calabrese, HYUS:June 80:183
Organizations Involved In Weather Modification, Conrad G. Keyes, Jr., IRKA:July 80:97
Political Aspects of Urban Stormwater Management, Levi A. Brown, WR1:Mar 80:265:15268
Practices and Problems in Flood Plain Management, L. Scott Tucker, EFHYF:Mar 79:333
Real-Time Data Collection Via Satellite for Water Management, William G. Shope and Richard W. Paulson, Preprint No.80-561, Oct 80, 14pp.
Regional Water Programs in North Carolina, Jon A. Arnold, EE2:Apr 79:183:14524
Retention/Detention Basins in Coastal Areas, A. B. Pennell, HYUS:June 80:299
Salinity Control Planning Framework, Gaylord V. Skogerboe, Wynn R. Walker and Robert G. Evans, WR2:Sept 79:329:14849
Satellite Data Collection Platforms in River and Flood Forecasting, Allen F. Flanders and J. W. Schiesl, ASDC:80:300
Session VII—Flooding and Flood Plain Management, David R. Dawdy, EFHYF:Mar 79:428
SMADA—Stormwater Management and Design Aid, Timothy M. Curran and Martin P. Wanielista, Preprint No.80-603, Oct 80, 14pp.
Stormwater and Lake Quality Management—Two Examples, Gregory E. Kamedulski and Richard F. Thomas, HYUS:June 80:303
Stormwater Management In Coastal North Carolina, Neil S. Grigg, Alfred M. Duda and John Morris, HYUS:June 80:33
Urban Runoff Management Strategies, David F. Kibler and Gert Aron, TC1:Aug 80:1:15600
Urban Water Management in the 1980's: Introduction, Murray B. McPherson, Preprint No.80-511, Oct 80, 6pp.
USGS Sharpening Water-Quality Management Tools, Phillip E. Greeson, CE:Feb 79:92
Water Allocation and Management in the Southeast, David H. Howells, WR2:Sept 79:259:14837
Water: A Perspective on Global Issues and Politics, Asit K. Biswas, WR2:Sept 79:205:14815
Water Management Improves with Systems Application, Linus B. Losh, CE:Aug 79:54
Water Quality Management—Have We Lost Sight of the Objective?, Gary R. Minton, WR1:Mar 80:131: 15242
Water Resources and Growth Management in South Florida, Stanley W. Hole and Peter B. Rhoads, Preprint No.80-569, Oct 80, 9pp.
Water Use Efficiency: A Case Study In NW Nevada, Johannes C. Guitjens, IRKA:July 80:365

Water Pipelines

Lifeline Economics and Hazard Mitigation, Le Val Lund, C080:80:78
Water Pipeline Location, S. J. O'Keefe, ASDC:80: 131

Water Plans

Areawide Water System Planning in Washington State, Richard Siffert, Preprint No.80-161, Apr 80, 14pp.
Attitude, Guidelines, and Technology in Plan Formulation, William K. Johnson, EFHYF:Mar 79: 342
A Comprehensive Application of A Geo-Based Information System on a Region in Colorado, Ronald L. Walters, SU80:June 80:71
Computer Analysis of Hydrologic Time Series, Jose D. Salas and Ricardo A. Smith, CP80:June 80:305
Design of Length of Water Resource Simulation Experiments, Guillermo J. Vicens and John C. Schaake,, Jr., WR1:Mar 80:333:15280
Economics and Water Resources Planning in America, L. Douglas James and Jerry R. Rogers, WR1:Mar 79:47:14427
Effect of Water Conservation on Water Demands, William O. Maddaus and Donald L. Feuerstein, WR2:Sept 79:343:14853
Flood Mitigation Planning Using HEC-SAM, Darryl W. Davis, SU80:June 80:113

Hydrology and Water Resources Planning: 1776-1976, Ray K. Linsley, WR1:Mar 79:113:14412
ICPRB and Washington Metro Water Management, Daniel P. Sheer and Paul W. Eastman, WR1:Mar 80:303:15283
Land Use and Water System Planning, A. Lee Cesario, SU80:June 80:153
Let's Look at Some Legal Implications of Streamflow Forecasting, Thomas M. Stetson, EFHYF:Mar 79:312
Level-B Multiobjective Planning for Water and Land, Yacov Y. Haimes, Prasanta Das and Kai Sung, WR2:Sept 79:385:14859
MAPS - Developing a Water Resources Screening Tool, Thomas M. Walski, CP80:June 80:341
The New OBERS Projections, Henry L. DeGraff, EFHYF:Mar 79:93
Salinity Control Planning Framework, Gaylord V. Skogerboe, Wynn R. Walker and Robert G. Evans, WR2:Sept 79:329:14849
Two Centuries of Water Planning Methodology, Ray K. Linsley, WR1:Mar 79:39:14405
Water Planning-Overview, Eugene W. Weber, WR1: Mar 79:3:14431
Water Resources Planning and Public Health: 1776-1976, Leonard B. Dworsky and Bernard B. Berger, WR1:Mar 79:133:14445
Water Resources Planning — Its Recent Evolution, Harry E. Schwarz, WR1:Mar 79:27:14409
Water Resource Systems Planning in U.S.A.:1776-1976, Stephen J. Burges, WR1:Mar 79:91:14417
Water System Improvement Program in Eugene, Oregon, James H. Brown, Preprint No.80-014, Apr 80, 15pp.

Water Policy

An Analysis of Inland Waterway Policy as It Relates to High Priority National Objectives, William J. Hull, Preprint No.80-598, Oct 80, 17pp.
Emerging Federal Water Supply Policies, Warren Viessman, Jr., Preprint No.80-532, Oct 80, 9pp.
Management of U.S. Water Research, Neil S. Grigg, WR1:Mar 80:143:15270
Policy Issues Concerning Water Quality/Quantity, William Whipple, Jr., WR1:Mar 80:71:15241
U.S. Water Policy: Putting the Lid on the Pork Barrel, Virginia Fairweather, CE:Apr 80:53
Water: A Perspective on Global Issues and Politics, Asit K. Biswas, WR2:Sept 79:205:14815

Water Pollution

Accurate Calculation of Transport in Two Dimensions, Forrest M. Holly, Jr. and Alexandre Preissmann, HY11:Nov 77:1259:13336
Assessing Nonpoint Water Quality for Small Streams, Michael E. Meadows, Dennis W. Weeter and James M. Green, EE6:Dec 78:1119:14232
Balancing Fish and Fuel on Georgia's OCS, Jeannette H. Phillips and James O. Barber, CZ80:Nov 80: 1098
Booms Used for Oil Slick Control, Y. Lam Lau and James R. Moir, EE2:Apr 79:369:14530
Buoyant Surface Jet in Tidal Longshore Current, Eric J. Wolanski and Michael L. Banner, HY11:Nov 78: 1505:14186
Chattahoochee River Thermal Alterations, Harvey E. Jobson, Larry F. Land and Robert E. Faye, HY4: Apr 79:295:14499
A Cheap Solution to Pollution from Combined-Sewer Overflows, CE:Nov 79:83
Control of Stormwater Runoff in a Rural Area, Pamela B. Katz, John A. Ripp and Deborah K. Martin, EE80:July 80:372
Data Base Use for Regional Environmental Planning, Lyman F. Wible, TE5:Sept 80:559:15677
Design Criteria for Aerobic Aerated Lagoons, Dhandapani Thirumurthi, EE1:Feb 79:135:14392
Design of a Test to Study Salinity Response in a Major Estuarine System to Major Storm Inflow, David Fenwick Bastian, HYUS:June 80:134
Desk Calculator Model for Wastewater Planning, Donald T. Lauria, EE1:Feb 79:113:14390
Developing Agricultural Best Management Practices, Gaylord V. Skogerboe, Wynn R. Walker and Robert G. Evans, IRKA:July 80:298
Distribution of Oil Pollution Residues, Ian A. Furzer, EE6:Dec 80:1171:15904
Effective Sludge Disposal — A Question of Policy, Martin Lang, EE80:July 80:664
Effect of Design on Economy of Aerobic Digestion, Otto Brody, EE2:Apr 79:383:14547
Engineering and Legal Professions: Interaction, Needed, Alphonse E. Zanoni, EI1:Jan 79:21:14309
Environmental Case History of an Ocean Outfall, Noel J. Williams, Richard B. Meighan, Donald D. Treadwell and George J. Murphy, CZ80:Nov 80: 703
Environmental Effects of Water Reuse Scheme, Emanuel Idelovitch, EE3:June 80:561:15466
Environmental Engineering Research Needs, CE:Oct 79:63
EPA Research in Urban Stormwater Pollution Control, Richard Field, HY5:May 80:819:15389
Estuarine Sediments: Successional Model, Kenneth J. Williamson and David A. Bella, EE4:Aug 80:695: 15595
Expansion of Effluent Constrained Treatment Plants, Brian J. Williams, EE3:June 80:571:15469
Highway Construction Impact on Water-Supply Lakes, Kok-Heng Tan and Dhandapani Thirumurthi, EE5:Oct 78:997:14052
Hydrological Impacts of Silvicultural Activities, Charles A. Troendle, IR1:Mar 79:57:14437
The Impact of EIS Requirements of Hawaii's Transportation Programs, Ryokichi Higashionna, MGC:July 80:204
Index To Evaluate Lake Restoration, Donald B. Porcella, Spencer A. Peterson and David P. Larsen, EE6:Dec 80:1151:15893
In-Stream Aeration: A Possible Alternative to AWT?, CE:Mar 80:81
In-Stream Deoxygenation Rate Prediction, Raymond M. Wright and Archie J. McDonnell, EE2:Apr 79: 323:14523
Interagency Permit Review Lessons of Experience, Joseph S. LeGath and Robert L. Lippson, CZ80: Nov 80:1638
Kalman Filter Modeling of the Speed River Quality, Thomas W. Constable and Edward A. McBean, EE5:Oct 79:961:14894
Laboratory Measurement of Sediment by Turbidity, Peter R.B. Ward and Remigio Chikwanha, HY6: June 80:1041:15470
Laguna de Bay Water Resources Development, Ernest Pariset, EE6:Dec 77:1021:13420
The Love Canal Remedial Action Report, Joseph L. Slack, EE80:July 80:564
Methodology for Effluent Water Quality Prediction, Bert A. Eichenberger and Kenneth Y. Chen, EE1: Feb 80:197:15212
Mitigating Runoff Pollution Into South Shore Bays of Long Island, New York, Kevin J. Phillips, Vito Minei, Thomas Maher and Philip A. Haderer, HYUS:June 80:228
Modeling Nitrogen, Oxygen, Chattahoochee River, Ga., Jeffrey E. Miller and Marshall E. Jennings, EE4:Aug 79:641:14748
Modeling Pollution in Strait of Maracaibo, Gustavo Parra-Pardi, EE5:Oct 80:959:15751
Modeling Suspended Solids and Associated Bacteria in Natural Water Systems, Christopher G. Uchrin and Walter J. Weber, Jr., EE80:July 80:160
Modified Fickian Model for Predicting Dispersion, Henry Liu and Alexander H.D. Cheng, HY6:June 80:1021:15454
Multiple Jets in Shallow Flowing Receiving Waters, A. David Parr and William W. Sayre, HY11:Nov 79:1357:14991
Nonpoint Pollution from Agricultural Watersheds, James A. Ayars, John C. Inman and Gwendolyn McClung, IRKB:July 80:974
Oil Booms and Skimmer Walls: A Comparison, James J. Sharp, TN: EE5:Oct 80:991:15723
Oil Pollution Still a Problem for America's Ports, Roy W. Hann, Jr., PO80:May 80:710

The Operational Use of Landsat for Lake Quality Assessment, Frank L. Scarpace and Lawrence T. Fisher, AS80:Aug 80:88
Optimal Control of Unsteady Combined Sewer Flow, John W Labadie, Dennis M. Morrow and Yung Hai Chen, WR1:Mar 80:205:15233
Oxygen Transfer at Hydraulic Structures, Sean T. Avery and Pavel Novak, HY11:Nov 78:1521:14190
Parallel Canal Design for Waterfront Development, Frederick W. Morris, IV, Damodar S. Airan, Nathan Putchat and Richard S. Tomasello, Preprint No.80-649, Oct 80, 10pp.
Physical Inspection of Three Ocean Disposal Sites, Thomas L. Heinecke, Preprint No.80-019, Apr 80, 20pp.
Planning for Water Quality: 1776 to 1976, Donald L. Hey and W. Henry Waggy, WR1:Mar 79:121:14440
Power Plant Diffuser-Pipe System, A. David Parr and William W. Sayre, EE6:Dec 79:1075:15048
Predicting Industrial Waste Impact on Ground Water, Kenneth F. Rosanski, Ian Watson, Gregory R. Fischer and Daniel B. Kleiman, Preprint No.80-535, Oct 80, 14pp.
Pretreatment Case Studies of Metal Finishers, John E. Eason, EE80:July 80:229
Remote Sensing that Motivated Community Action, Roland H. Brownlee, James P. Scherz and James M. Dennis, AS80:Aug 80:60
Road Salts Movement into Two Toronto Streams, William S. Scott, EE3:June 80:547:15468
Sensitivity Ranking of Energy Port Shorelines, Miles O. Hayes, Erich R. Gundlach and Charles D. Getter, PO80:May 80:697
Southern Illinois Mine Waste Control Plan: A Summary, William C. Pisano and Gerald L. Aronson, EE1:Feb 80:55:15167
Transient Mixing in River Channels, Hung Tao Shen, EE3:June 78:445:13810
Unconfined Grazing and Bacterial Water Pollution—A Review, Everett P. Singer and Gerald F. Gifford, IRKB:July 80:578
Upgrading Lagoon Effluents with Rock Filters, Gregory R. Swanson and Kenneth J. Williamson, EE6:Dec 80:1111:15887
Urban Runoff Pollution and Water Quality Planning, William Whipple, Jr., TC1:Aug 80:101:15632
Urban Runoff Pollution Method, George K. Young, Timothy R. Bondelid and Dennis N. Athayde, WR2:Sept 79:353:14854
Urban Storm Runoff Quality in Southeast Michigan, Peter G. Collins and James W. Ridgway, EE1:Feb 80:153:15199
Water Pollution from Snow Removal Operations, Bruce W. Pierstorff and Paul L. Bishop, EE2:Apr 80:377:15331
Water Pollution Problems Associated with Coal-Fired Electrical Generating Plants, Donald Steven Graham, Preprint No.80-023, Apr 80, 22pp.
Water Resources Implications of Energy Development, Jeffrey S. Mahan and Jay D. White, EY1:Apr 80:45:15366

Water Pollution Control

Computer Geographic Base Files for Sanitary Sewers, Christina R. Palmerlee, Thomas M. Palmerlee and Dyan C. Conway, CP80:June 80:295
Duluth Sanitary District First in U.S. to Take Charge of Both Sewage and Refuse, Eugene E. Dallaire, CE:June 80:60
Effluent Irrigation at Lubbock, Texas, Robert M. Sweazy, Heyward R. Ramsey, III and George A. Whetstone, EE80:July 80:357
Environmental Engineering Research Needs, CE:Oct 79:63
Mitigating Runoff Pollution Into South Shore Bays of Long Island, New York, Kevin J. Phillips, Vito Minei, Thomas Maher and Philip A. Haderer, HYUS:June 80:228
River Clean-Up Plan Developed with Citizens and Industry, Harold J. Day, W. Elman, D. Theiler and R. Christianson, CE:Mar 80:78
Water Resources Planning and Public Health: 1776-1976, Leonard B. Dworsky and Bernard B. Berger, WR1:Mar 79:133:14445

Water Pollution Sources

Alaska Water Quality Standards and BMPs, John D. Stednick, IRKB:July 80:721
Chemical Transfer into Overland Flow, John J. Ingram and David A. Woolhiser, IRKB:July 80:40
Controlling Nonpoint Source Pollution from Commercial Clearcuts, Keith E. Mussallem and James A. Lynch, IRKB:July 80:669
Data Systems for Reuse Planning, David H. Bauer, EE80:July 80:644
Developing Agricultural Best Management Practices, Gaylord V. Skogerboe, Wynn R. Walker and Robert G. Evans, IRKA:July 80:298
Drainage Density as Index of Watershed Development, Philip B. Bedient, Wayne C. Huber and James P. Heaney, IR4:Dec 78:373:14249
Effect of Forestry Practices in Florida Watersheds, H. Riekerk, B. F. Swindel and John A. Replogle, IRKB:July 80:706
Erosion Modeling Approaches for Construction Sites, Richard C. Warner and Benjamin C. Dysart, III, IRKB:July 80:465
Evaluating Silvicultural Impacts on Water Resources, Gordon Snyder, IRKB:July 80:682
Geomorphic Indices of Hydrologic Characteristics, R. B. White and Richard H. Hawkins, IRKB:July 80:54
Groundwater and Non-Point Pollution: Key Water Quality Issues of the 1980's, Eugene E. Dallaire, CE:Sept 80:71
Nonpoint Pollution from Agricultural Watersheds, James A. Ayars, John C. Inman and Gwendolyn McClung, IRKB:July 80:974
Nonpoint Source Loads and Impacts to a Water Supply Reservoir, Charles J. Newell and Philip B. Bedient, EE80:July 80:364
Parking Lot Impact on Water Quality, Peter E. Black, IRKB:July 80:541
Sediment from a Small Summer Grazed Watershed, David H. Fortier, Myron Molnau and Keith E. Saxton, IRKB:July 80:790
Sources of Pollution from Agricultural Drainage, Reginald E. Merrill, Ronald M. Van De Pol and Walter E. Ryley, IR2:June 79:137:14605
Stormwater Analysis and Prediction in Houston, Philip B. Bedient, Douglas A. Harned and William G. Characklis, EE6:Dec 78:1087:14237
Urban Runoff Pollution Method, George K. Young, Timothy R. Bondelid and Dennis N. Athayde, WR2:Sept 79:353:14854
Urban Storm Runoff Quality in Southeast Michigan, Peter G. Collins and James W. Ridgway, EE1:Feb 80:153:15199
Water Quality Management—Have We Lost Sight of the Objective?, Gary R. Minton, WR1:Mar 80:131:15242

Water Pressure

Physical Hydraulic Model Study of an Ice-Covered River, Robert P. Johnson and Thomas V. Kotras, HYCO:Aug 80:431

Water Pricing

Estimating Irrigation Water Quantity and Quality, Otto J. Helweg and Desi Alvarez, IR3:Sept 80:175:15712

Water Purification

Zero Discharge Waste Management for a Coal-Fired Power Plant under Environmental and Resource Constraints, R. T. Fellman, M. F. Kuo, H. H. Yeh and J. F. Fitzpatrick, EE80:July 80:221

Water Quality

ADAPT: The Use of Complex Models with a Geographic Data Base, Richard M. Males, SU80:June 80:215
Analyzing Environmental Time Series, Francoise D'Astous and Keith William Hipel, EE5:Oct 79:979:14881

Approximate BOD Treatment Requirements for Urban Runoff, Udai P. Singh, Ronald L. Wycoff and Gregory L. Tate, EE1:Feb 79:3:14360
Assessing Nonpoint Water Quality for Small Streams, Michael E. Meadows, Dennis W. Weeter and James M. Green, EE6:Dec 78:1119:14232
Beachfront Restoration Using Water Quality Programs, Owen W. Bludau, CZ80:Nov 80:2342
Best Management Practices for Forestry Activities, Richard J. McClimans, IRKB:July 80:694
Buildup, Strength, and Washoff of Urban Pollutants, Michael L. Terstriep, G. Michael Bender and Dennis J. Benoit, TC1:Aug 80:73:15620
Chemical Flocculation in Coal Mine Sediment Ponds, John S. Tapp, Billy J. Barfield and Edward G. Foree, IRKB:July 80:615
Collie River Underflow into the Wellington Reservoir, Bob Hebbert, Jorg Imberger, Ian Loh and John Patterson, HY5:May 79:533:14593
Combined Sewer Overflow Controls for Boston Harbor, John R. Elwood, William F. Callahan and John A. Mueller, EE80:July 80:464
Controlling Nonpoint Source Pollution from Commercial Clearcuts, Keith E. Mussallem and James A. Lynch, IRKB:July 80:669
Cost Effective Water Quality Monitoring, Stanley L. Ponce, E. Thomas Bartlett and Corey P. Wong, IRKB:July 80:530
Data Base Use for Regional Environmental Planning, Lyman F. Wible, TE5:Sept 80:559:15677
Data Systems for Reuse Planning, David H. Bauer, EE80:July 80:644
Declining-Rate Versus Constant-Rate Filtration, Luiz Di Bernardo and John L. Cleasby, EE6:Dec 80:1023:15891
Developing Optimal River Basin Solutions for Alleviating Environmental Impacts from Irrigated Agriculture, Wynn R. Walker and Gaylord V. Skogerboe, IRKA:July 80:228
Development of a Dynamic Stormwater Management System, Peter E. Manz, HYUS:June 80:163
Dual-Purpose Detention Basins, William Whipple, Jr., WR2:Sept 79:403:14860
Dynamic Water Quality Modeling in Southeast Florida, R. Uwe Jettmar, George K. Young, Armando I. Perez and Robert Oros, EE1:Feb 80:105:15173
East Mesa Geothermal Test Site, Wayne A. Fernelius and Martin K. Fulcher, EE1:Feb 79:13:14361
Effect of Forestry Practices in Florida Watersheds, H. Riekerk, B. F. Swindel and John A. Replogle, IRKB:July 80:706
Effects of Logging Roads on Storm Hydrographs, Everett P. Springer and George B. Coltharp, IRKB:July 80:228
Electro-Osmosis Chemistry and Water Quality, Burton A. Segall, Charles E. O'Bannon and Judson A. Matthias, TN: GT10:Oct 80:1148:15724
Environmental Model of Kissimmee River Basin, Philip B. Bedient, Wayne C. Huber and James P. Heaney, WR2:Nov 77:241:13326
An Environmental Study to Assess The Effect of Drilling Fluids on Water Quality Parameters During High Rate, High Volume Discharge to the Ocean., R. C. Ayers, Jr., T. C. Sauer, Jr., D. O. Stuebner and R. P. Meek, CZ80:Nov 80:1730
Estuarine Sediments: Successional Model, Kenneth J. Williamson and David A. Bella, EE4:Aug 80:695:15595
Eutrophication-Related Water Quality in Dillon Reservoir, H. Kirk Horstman, G. Fred Lee and R. Anne Jones, EE80:July 80:144
Evaluating Hydrologic Responses to Forest Activities, Charles C. Avery and Malchus B. Baker, Jr., IRKB:July 80:485
Evaluating Silvicultural Impacts on Water Resources, Gordon Snyder, IRKB:July 80:682
Evaluation of Three Offshore LNG Terminal Designs for Southern California, Edgar Rust, PO80:May 80:352
Expanded Polystyrene Spheres as Evaporation Suppressors, Tariq A. Mahmoud and Natiq K. Bashi, IR3:Sept 80:163:15689
Field Study for Landsat Water Quality Verification, Donald Steven Graham and J. M. Hill, AS80:Aug 80:101
Fire Rehab in the Bend Municipal Watershed, Bruce P. McCammon and Dallas Hughes, IRKB:July 80:252
Fish, Flushing, and Water Quality: Their Roles in Marina Design, Rick D. Cardwell, Ronald E. Nece and Eugene P. Richey, CZ80:Nov 80:84
Food and Agricultural Policies, Earl O. Heady, WR1:Mar 79:151:14415
Forced Plumes in a Stratified Reservoir, Brian Henderson-Sellers, HY4:Apr 78:13658
Formulating Alternatives for Environmental Studies, David R. Boone, EE3:June 80:527:15486
Highway Construction Impact on Water-Supply Lakes, Kok-Heng Tan and Dhandapani Thirumurthi, EE5:Oct 78:997:14052
Hydraulic Considerations in Declining-Rate Filtration, John L. Cleasby and Luiz Di Bernardo, EE6:Dec 80:1043:15892
Hydrologic Considerations in Federal Coal Leasing, Bruce Van Haveren, IRKB:July 80:655
Hydrology and Environmental Assessments, Arliss D. Ray, William P. Wenstorm and Dan D. Taylor, EFHYF:Mar 79:387
Impact of Urbanization on Water Quality for a Major Watershed, James F. Conley and Thomas J. Olenik, Preprint No.80-563, Oct 80, 14pp.
Innovative Design Concept for Hydraulic Circulation of Small-Craft Harbors, Jeffrey A. Layton, Preprint No.80-137, Apr 80, 15pp.
In-Stream Deoxygenation Rate Prediction, Raymond M. Wright and Archie J. McDonnell, EE2:Apr 79:323:14523
Kalman Filter Modeling of the Speed River Quality, Thomas W. Constable and Edward A. McBean, EE5:Oct 79:961:14894
Laboratory Studies of Gas Tracers for Reaeration, Ronald E. Rathbun, D. W. Stephens, David J. Shultz and D. Y. Tai, EE2:Apr 78:215:13679
Laguna de Bay Water Resources Development, Ernest Pariset, EE6:Dec 77:1021:13420
Least Squares Estimates of BOD Parameters, Thomas O. Barnwell, Jr., TN: EE6:Dec 80:1197:15869
Low Flow and Stormwater Quality in Urban Channels, Philip B. Bedient, Jeff L. Lambert and Paulo Machado, EE2:Apr 80:421:15536
Management of Galbraith Gap Municipal Watershed, David R. DeWalle, IRKB:July 80:1012
Managing Storm Runoff in Chicago Area, Bart T. Lynam, Forrest C. Neil and Frank E. Dalton, TC2:Dec 79:401:15035
Methodology for Calibrating Stormwater Models, Thomas K. Jewell, Thomas J. Nunno and Donald Dean Adrian, EE3:June 78:485:13812
Monitoring Areawide Rural Water Quality, Larry F. Bliven, Frank J. Humenik, Fred A. Koehler and Michael R. Overcash, EE1:Feb 79:101:14343
Monitoring on Wilderness Water Quality, Gordon Snyder, IRKB:July 80:504
Natural Fluctuations of Water Quality in a Headwater Stream, Joe F. Nix, EFHYF:Mar 79:391
Nonpoint Pollution from Agricultural Watersheds, James A. Ayars, John C. Inman and Gwendolyn McClung, IRKB:July 80:974
Nonpoint Source Loads and Impacts to a Water Supply Reservoir, Charles J. Newell and Philip B. Bedient, EE80:July 80:364
Nutrient Reduction Alternatives, Lake Okeechobee, Florida, J. Steve Reel, Preprint No.80-580, Oct 80, 14pp.
Nutrient-Uptake Model in Marsh Ecosystems, Lawrence A. Burns and R. Bruce Taylor, III, TC1:Apr 79:177:14540
The Operational Use of Landsat for Lake Quality Assessment, Frank L. Scarpace and Lawrence T. Fisher, AS80:Aug 80:88
Opportunities and Problems in Planning the New Jersey Pinelands and Coastal Zone, John W. Sinton, CZ80:Nov 80:137
Organics in Water—An Engineering Challenge, Perry L. McCarty, EE1:Feb 80:1:15180

Parameter Estimation of Streeter-Phelps Models, Sergio Rinaldi, Paolo Romano and Rodolfo Soncini-Sessa, EE1:Feb 79:75:14377
Parking Lot Impact on Water Quality, Peter E. Black, IRKB:July 80:541
Performance of Package Water Treatment Plants, James M. Morand and Matthew J. Young, EE80: July 80:526
Policy Issues Concerning Water Quality/Quantity, William Whipple, Jr., WR1:Mar 80:71:15241
Pollutant Concentrations form Homogenous Land Uses, Irwin Polls and Richard Lanyon, EE1:Feb 80: 69:15169
Quality in a Florida 1°, 2° and 3° Stream System, Charles M. Courtney, HYUS:June 80:359
Regional Waste Treatment Plant: The Consultant's View, William M. Bishop, Preprint No.80-613, Oct 80, 4pp.
Riparian Response to Certain Grazing Management, John C. Buckhouse, IRKB:July 80:573
The Role of the Corps in Port Development, Douglas L. Haller, PO80:May 80:726
Sanitary Landfill Site Selection by Remote Sensing, Byron E. Ruth, Janet D. Degner and Harold K. Brooks, TE6:Nov 80:661:15835
Saturation Kinetics for Preferential Nitrogen Uptake, David S. Bowles and William J. Grenney, TN: EE4:Aug 80:833:15588
Secure Land Burial of Hazardous Wastes: A State-of-the-Art Example, Robert D. Mutch, Jr., EE80:July 80:426
Sediment Oxygen Demand and Nutrient Release, Preston S. Chiaro and Dennis A. Burke, EE1:Feb 80:177:15206
Sensitivity Ranking of Energy Port Shorelines, Miles O. Hayes, Erich R. Gundlach and Charles D. Getter, PO80:May 80:697
Service-Wide Earthwork — A Software Team Effort, Gordon J. Serpa and Duane W. Chamot, CP80: June 80:357
A Simple Lumped-Parameter Runoff-Quality Model, William M. Alley, HYUS:June 80:236
Simplified Diurnal Curve Analysis, John B. Erdmann, EE6:Dec 79:1063:15026
Stormwater Analysis and Prediction in Houston, Philip B. Bedient, Douglas A. Harned and William G. Characklis, EE6:Dec 78:1087:14237
Stormwater and Lake Quality Management—Two Examples, Gregory E. Kamedulski and Richard F. Thomas, HYUS:June 80:303
Stormwater Management In Coastal North Carolina, Neil S. Grigg, Alfred M. Duda and John Morris, HYUS:June 80:33
Stormwater Quality—First Efforts in Denver, Ben Urbonas and L. Scott Tucker, TC1:Aug 80:53: 15621
Stormwater Runoff Modeling of a Planned Community, Kevin J. Smolenyak, HYUS:June 80: 378
Synfuel Facilities: Environmental Control Strategies, Warren H. Chesner and Howard Wiseman, EE80: July 80:504
A Ten Year Improvement in Water Quality in a Major Okanagan Valley Lake as a Result of Municipal Wastewater Phosphorus Reduction, Agris Berzins, EE80:July 80:627
Timber Harvest and Water Yields in the Ozarks, Carl D. Settergren, R. Michael Nugent and Gary S. Henderson, IRKB:July 80:661
Transient Mixing in River Channels, Hung Tao Shen, EE3:June 78:445:13810
Upgrading Lagoon Effluents with Rock Filters, Gregory R. Swanson and Kenneth J. Williamson, EE6:Dec 80:1111:15887
Urban Runoff Pollution and Water Quality Planning, William Whipple, Jr., TC1:Aug 80:101:15632
Urban Runoff Pollution Method, George K. Young, Timothy R. Bondelid and Dennis N. Athayde, WR2:Sept 79:353:14854
Urban Runoff Quality: Information Needs, Michael B. Sonnen, TC1:Aug 80:29:15611
Urban Storm Runoff Quality in Southeast Michigan, Peter G. Collins and James W. Ridgway, EE1:Feb 80:153:15199
Use of a Simplified Surface Runoff Model, William G. Smith, HYUS:June 80:173
USGS Sharpening Water-Quality Management Tools, Phillip E. Greeson, CE:Feb 79:92
Waikato River Pollutant Flushing Rates, J. C. Rutherford, M. E.U. Taylor and J. D. Davies, EE6: Dec 80:1131:15939
Water Defluoridation with Activated Alumina, Yeun C. Wu and Anan Nitya, EE2:Apr 79:357:14544
Water Pollution from Snow Removal Operations, Bruce W. Pierstorff and Paul L. Bishop, EE2:Apr 80:377:15331
Water Quality and Wildland Resource Management, Alan F. Galbraith, IRKB:July 80:298
Water Quality as a Stochastic Process, Thomas G. Sanders, Preprint No.80-089, Apr 80, 14pp.
Water Quality, Energy, Legislation: Challenge of the 80's, Carmen F. Guarino, EE80:July 80:1
Water Quality Evaluation of Regional Wastewater Management, Barry J. Adams and Robert S. Gemmell, EE2:Apr 80:437:15362
Water Quality Indexing and Scoring, Roy O. Ball and Richard L. Church, EE4:Aug 80:757:15617
Water Quality Modeling Using Computer Graphics, Peter N. French and Daniel P. Loucks, EE80:July 80:138
Water Quality Sampling Programs in Rivers, Graeme C. Dandy and Stephen F. Moore, EE4:Aug 79:695: 14757
Water Resources Implications of Energy Development, Jeffrey S. Mahan and Jay D. White, EY1:Apr 80:45:15366
Watershed Management in Action on the Boise Front, Clifton W. Johnson, Glen M. Secrist, Gerald C. Scholten and Robert J. Baum, IRKB:July 80:998
Watershed Parameters as Influenced by Grazing, W. H. Blackburn, R. W. Knight, M. K. Wood and L. B. Merrill, IRKB:July 80:552

Water Quality Control

Economics and Water Resources Planning in America, L. Douglas James and Jerry R. Rogers, WR1:Mar 79:47:14427
Planning for Water Quality: 1776 to 1976, Donald L. Hey and W. Henry Waggy, WR1:Mar 79:121: 14440
Policy Issues Concerning Water Quality/Quantity, William Whipple, Jr., WR1:Mar 80:71:15241
Stormwater and Lake Quality Management—Two Examples, Gregory E. Kamedulski and Richard F. Thomas, HYUS:June 80:303

Water Quality Standards

Alaska Water Quality Standards and BMPs, John D. Stednick, IRKB:July 80:721
A Comprehensive Application of A Geo-Based Information System on a Region in Colorado, Ronald L. Walters, SU80:June 80:71
Developing Agricultural Best Management Practices, Gaylord V. Skogerboe, Wynn R. Walker and Robert G. Evans, IRKA:July 80:298
Fish, Flushing, and Water Quality: Their Roles in Marina Design, Rick D. Cardwell, Ronald E. Nece and Eugene P. Richey, CZ80:Nov 80:84
Hydrologic Transport Model for Surface Mined Lands (Abstract), Mark E. Auernhamer, IRKB:July 80:911
Index To Evaluate Lake Restoration, Donald B. Porcella, Spencer A. Peterson and David P. Larsen, EE6:Dec 80:1151:15893
Nitrogen Yields and Land Use in Southern Streams, Mingteh Chang, Jack D. McCullough and Frank A. Roth, II, IRKB:July 80:951
Probabilistic Water Quality Control Policies, B. N. Lohani and N. C. Thanh, EE4:Aug 79:713:14761
Public Water Supply Protection Benefits, Michael B. Sonnen, EE3:June 79:511:14604
Water Quality Management—Have We Lost Sight of the Objective?, Gary R. Minton, WR1:Mar 80:131: 15242

Water Reclamation

Data Systems for Reuse Planning, David H. Bauer, EE80:July 80:644

Planning, Design, Construction and Operation of a Reclaimed Water System, Shahnawaz Ahmad and James C. Lundie, EE80:July 80:122
Reuse Alternatives in the Los Angeles Basin, Brian L. Ramaley, Gordon P. Treweek, Frank A. Grant and E. Wiley Horne, EE80:July 80:207
Water for the Valley of the Sun, William W. Reedy, WR2:July 80:477:15544
Water Reuse Markets and Project Costs in Southern California, Frank A. Grant, Norman G. Hixson, Paul Teigen and E. Wiley Horne, EE80:July 80:640

Water Resources
Accuracy of Snowmelt Runoff Estimates, Mark E. Hawley, Richard H. McCuen and Albert Rango, IRKB:July 80:347
Airborne Hydraulic Surveys: Mission Planning, Srinivasan Thiruvengadachari and Damal V. Rohini Kumar, SU1:Nov 80:35:15843
Applicability of Space Acquired Data for Water Resources Management, Vincent V. Salomonson, V. Ralph Algazi and Donald R. Wiesnet, EFHYF:Mar 79:125
Attitude, Guidelines, and Technology in Plan Formulation, William K. Johnson, EFHYF:Mar 79: 342
Central Arizona Project: Operations Model, William W-G. Yeh, Leonard Becker, Douglas Toy and Albert L. Graves, WR2:July 80:521:15573
The Chicago Region's Valuable Water Resources, Clint J. Keifer, WR2:July 80:541:15569
Comparison of HEC 1 & TR 20 Programs, Muthusamy Krishnamurthy and W. Tracy Lenocker, HYUS:June 80:92
Delaware River Basin Water Resources Management, Cecil H.J. Hull, WR1:Nov 78:157:14166
Determining Instream-Flow Needs on Public Lands, Mike Whittington and Bruce Van Haveren, IRKA: July 80:36
Dissolved Solids from Appalachia Coal Mining, Jack D. Generaux and Keith O. Eggleston, IRKB:July 80:607
Economic Model for Urban Watersheds, Thomas N. Debo and Gerald N. Day, HY4:Apr 80:475:15333
Effective Water Research Programs, Leo R. Beard, WR2:July 80:409:15530
Energy Criteria for Water Use, Flora C. Wang, Howard T. Odum and Robert Costanza, WR1:Mar 80:185:15266
Environmental Data Collection Via the Global Meteorological Satellite System for Water Management and Control, Warren L. Sharp, ASDC:80:316
Environmental Information From Sediments, David P. Adam, EFHYF:Mar 79:206
Evaluating Silvicultural Impacts on Water Resources, Gordon Snyder, IRKB:July 80:682
Evaluating Wetlands: Status and Needs, John J. Balco, CZ80:Nov 80:494
Expanded Polystyrene Spheres as Evaporation Suppressors, Tariq A. Mahmoud and Natiq K. Bashi, IR3:Sept 80:163:15689
Fairness Considerations and Alternative Policies, J. Jeffrey Peirce, Erhard F. Joeres and Martin H. David, WR1:Mar 80:81:15246
Flood Flow Frequency by SCS-TR-20 Computer Program, Vaiyapuri Danushkodi, HY9:Sept 79: 1123:14818
Graphical Display of Watershed Management Options, Rhey M. Solomon and Larry J. Schmidt, IRKB:July 80:1026
Ground-Water Storage for California Water Project, Jack J. Coe, IR3:Sept 79:305:14832
Hydroclimatology—A Needed Cross-Discipline, Ronald F. Kilmartin, EFHYF:Mar 79:160
Hydrologic Considerations in Federal Coal Leasing, Bruce Van Haveren, IRKB:July 80:655
Hydrologic Telemetry from Remote Areas, Robert A. Halliday, ASDC:80:329
Hydrologic Uncertainty and Project Benefits, Billy E. Martin and R. W. Julian, EFHYF:Mar 79:84
Interactive Nonstructural Flood-Control Planning, David T. Ford, CP80:June 80:331
Irrigation Prospects in Bendel State of Nigeria, Paul A.C. Okwuobi, IR1:Mar 79:99:14459
Is Your Weather Being Modified?, Stanley A. Changon, Jr., IR1:Mar 80:37:15253
Laguna de Bay Water Resources Development, Ernest Pariset, EE6:Dec 77:1021:13420
Management of U.S. Water Research, Neil S. Grigg, WR1:Mar 80:143:15270
Managing Snowpack Augmentation Research, Olin H. Foehner, IRKA:July 80:85
MAPS - Developing a Water Resources Screening Tool, Thomas M. Walski, CP80:June 80:341
Metrication at the Water and Power Resources Service, Edward R. Lewandowski, Preprint No.80-086, Apr 80, 11pp.
Microdroplets and Transport of Moisture from Ocean, Sung C. Ling, Timothy W. Kao and Alice I. Saad, EM6:Dec 80:1327:15923
Multiple Objectives in Reservoir Operation, George W. Tauxe, Dean M. Mades and Robert R. Inman, WR1:Mar 80:225:15240
The New OBERS Projections, Henry L. DeGraff, EFHYF:Mar 79:93
Optimal Design of Water Conveyance Systems, Quentin W. Martin, HY9:Sept 80:1415:15672
Organizations Involved In Weather Modification, Conrad G. Keyes, Jr., IRKA:July 80:97
Quantified Water Related Impact Analysis, Robert E. Riggins and John T. Bandy, Preprint No.80-579, Oct 80, 4pp.
Regional Water Programs in North Carolina, Jon A. Arnold, EE2:Apr 79:183:14524
Remote Sensing for Water Resource Surveys, R. H. Kinsey, ASDC:80:55
The Role of Institutions in the Achievement of Water Resource Project-Related Development, Larkin Warner, Preprint No.80-653, Oct 80, 12pp.
Satellites as Aid to Water Resource Managers, David F. McGinnis, Jr., Roderick A. Scofield, Stanley R. Schneider and Craig P. Berg, WR1:Mar 80:1:15244
Service-Wide Earthwork — A Software Team Effort, Gordon J. Serpa and Duane W. Chamot, CP80: June 80:357
Small Scale Hydropower in the West, Michael J. McLatchy, IRKA:July 80:374
Social Aspects of Water Resources Planning, Gene E. Willeke, WR1:Mar 79:79:14428
Soil-Cement for Protection of Shorelines, William G. Dinchak, CZ80:Nov 80:2203
Sources of Computer Programs in Hydraulics, David R. Basco, Chmn., HY5:May 80:915:15435
South Fork Trinity River Watershed Study, Ralph G. Scott, Jr., Koll Y. Buer and Stephen M. James, IRKB:July 80:406
Synthetic Hydrologic Information - A Case Study, Krishan P. Singh, HY10:Oct 79:1257:14922
Thames Basin Nitrate and Agricultural Relations, Charles A. Onstad and Jane Blake, IRKB:July 80: 961
Two Centuries of Water Planning Methodology, Ray K. Linsley, WR1:Mar 79:39:14405
Urbanizing Irrigated Valleys for Optimum Water Use, Herman Bouwer, UP1:Jan 79:41:14281
Uses of Small Format Aerial Photography, R. H. Kinsey, ASDC:80:63
Water Planning and the Environment: 1776-1976, Leonard Ortolano, WR1:Mar 79:65:14413
Water Planning-Overview, Eugene W. Weber, WR1: Mar 79:3:14431
Water Quality Modeling Using Computer Graphics, Peter N. French and Daniel P. Loucks, EE80:July 80:138
Water Resources and Growth Management in South Florida, Stanley W. Hole and Peter B. Rhoads, Preprint No.80-569, Oct 80, 9pp.
Water Resources Implications of Energy Development, Jeffrey S. Mahan and Jay D. White, EY1:Apr 80:45:15366
Water Resources Planning and Public Health: 1776-1976, Leonard B. Dworsky and Bernard B. Berger, WR1:Mar 79:133:14445
Water Resources Planning — Historical Development, Theodore M. Schad, WR1:Mar 79:9: 14410

Water Resources Planning — Its Recent Evolution, Harry E. Schwarz, WR1:Mar 79:27:14409
Water Resources Planning Using Computer Graphics, Peter N. French, Lynn E. Johnson, Daniel P. Loucks and Donald P. Greenberg, WR1:Mar 80:21: 15235
Water Resources; Surveying, CE:Jan 80:93
Water Resource Systems Planning in U.S.A.:1776-1976, Stephen J. Burges, WR1:Mar 79:91:14417
Water Source Investigation for Newport News, Va., Robert C. Dolecki, Richard E. Underhill and James A. Rhodes, EE80:July 80:249
Water Supply Forecasting in California - 1976-78, Charles H. Howard, EFHYF:Mar 79:285
Water Supply Planning Model for West Africa, Paul H. Kirshen, WR2:Sept 79:413:14861

Water Resources Development

Alternative Evaluation of Power Plant Sites, Asok K. Motayed, EY2:Oct 80:229:15752
Comparison of Tangibles and Intangibles, Ian G. Wallis, EE4:Aug 78:625:13959
Computer Analysis of Hydrologic Time Series, Jose D. Salas and Ricardo A. Smith, CP80:June 80:305
Developing Agricultural Best Management Practices, Gaylord V. Skogerboe, Wynn R. Walker and Robert G. Evans, IRKA:July 80:298
Hydrology and Water Resources Planning: 1776-1976, Ray K. Linsley, WR1:Mar 79:113:14412
Laguna de Bay Water Resources Development, Ernest Pariset, EE6:Dec 77:1021:13420
The Role of Institutions in the Achievement of Water Resource Project-Related Development, Larkin Warner, Preprint No.80-653, Oct 80, 12pp.
Thames Basin Nitrate and Agricultural Relations, Charles A. Onstad and Jane Blake, IRKB:July 80: 961
Two Centuries of Water Planning Methodology, Ray K. Linsley, WR1:Mar 79:39:14405
Uses of Small Format Aerial Photography, R. H. Kinsey, ASDC:80:63
U.S. Water Policy: Putting the Lid on the Pork Barrel, Virginia Fairweather, CE:Apr 80:53
Western Economic Development and Water Planning: Bureau of Reclamation, John E. Keith, Keith Wilde, Jay C. Andersen and Allen LeBaron, WR1:Mar 79:161:14416

Water Resources Management

Alternatives for Standards and Regulations, Brian R. Mrazik and Richard W. Krimm, EFHYF:Mar 79: 375
Applicability of Space Acquired Data for Water Resources Management, Vincent V. Salomonson, V. Ralph Algazi and Donald R. Wiesnet, EFHYF:Mar 79:125
Attitude, Guidelines, and Technology in Plan Formulation, William K. Johnson, EFHYF:Mar 79: 342
Hydroclimatology—A Needed Cross-Discipline, Ronald F. Kilmartin, EFHYF:Mar 79:160
Hydrology and Environmental Assessments, Arliss D. Ray, William P. Wenstorm and Dan D. Taylor, EFHYF:Mar 79:387
Impact of Urbanization on Water Treatment Management, Robert R. Smith, Preprint No.80-065, Apr 80, 12pp.
Locally Important Economic Considerations in Flooding and Flood Plain Management, D. Earl Jones, Jr., EFHYF:Mar 79:352
NAWDEX — A Focal Point for Information About Water Data, Melvin D. Edwards, Preprint No.80-047, Apr 80, 8pp.
Regulation of Water Resources Planning, Robert Relyea and Yoram Gordon, Preprint No.80-676, Oct 80, 6pp.
Session VII—Flooding and Flood Plain Management, David R. Dawdy, EFHYF:Mar 79:428
Session VIII—Environmental Applications, Michael B. Sonnen, EFHYF:Mar 79:430

Water Reuse

Data Systems for Reuse Planning, David H. Bauer, EE80:July 80:644
Drainage Water Reuse on the Columbia Basin Project, Charles A. Neumann, Preprint No.80-095, Apr 80, 18pp.
Environmental Effects of Water Reuse Scheme, Emanuel Idelovitch, EE3:June 80:561:15466
Health Aspects of Water Reuse in California, James Crook, EE4:Aug 78:601:13928
Modeling of Reject Heated Water Use in Greenhouses, Edward A. McBean, Donald Haycock, Gary Ashley and Jack Gorrie, EY2:Oct 80:165:15732
Planning, Design, Construction and Operation of a Reclaimed Water System, Shahnawaz Ahmad and James C. Lundie, EE80:July 80:122
Potential for Water Reuse—A Computer Model, Ed Smith, Steve Shelton, Manette Messenger and Barry Peterman, EE80:July 80:634
Reuse Alternatives in the Los Angeles Basin, Brian L. Ramaley, Gordon P. Treweek, Frank A. Grant and E. Wiley Horne, EE80:July 80:207
Reuse of Power Plant Effluent for Crop Production, W. A. Jury, Jr., H. J. Vaux and L. H. Stolzy, IRKA:July 80:188
Sewage Irrigation and Recharge Consequences, Oahu, Gordon L. Dugan and L. Stephen Lau, Preprint No.80-075, Apr 80, 21pp.
Urbanizing Irrigated Valleys for Optimum Water Use, Herman Bouwer, UP1:Jan 79:41:14281
Use of Highly-Treated Wastewater to Recharge the Ground-Water Reservoir in Nassau County, Long Island, New York, David A. Aronson, EE80:July 80:214
Water Reuse Markets and Project Costs in Southern California, Frank A. Grant, Norman G. Hixson, Paul Teigen and E. Wiley Horne, EE80:July 80:640
Zero Discharge Waste Management for a Coal-Fired Power Plant under Environmental and Resource Constraints, R. T. Fellman, M. F. Kuo, H. H. Yeh and J. F. Fitzpatrick, EE80:July 80:221

Water Rights

The Chicago Region's Valuable Water Resources, Clint J. Keifer, WR2:July 80:541:15569
Determining Instream-Flow Needs on Public Lands, Mike Whittington and Bruce Van Haveren, IRKA: July 80:36
Establishing Ground Water Rights Using a Model, James W. Naney and Douglas C. Kent, IRKB:July 80:117
Ground and Surface Water Interaction—Legal Aspects, William E. Kelly, WR1:Mar 80:55:15234
Ground-Water Storage for California Water Project, Jack J. Coe, IR3:Sept 79:305:14832
Indian Water Rights in Idaho, Thomas S. Longley, WR2:July 80:439:15528
Problems in Applying Optimal Irrigation Plans, Charles E. Brockway and Richard G. Allen, WR1: Mar 80:255:15277
Water Allocation and Management in the Southeast, David H. Howells, WR2:Sept 79:259:14837
Western Economic Development and Water Planning: Bureau of Reclamation, John E. Keith, Keith Wilde, Jay C. Andersen and Allen LeBaron, WR1:Mar 79:161:14416

Water Sampling

Alternatives for Reducing Nitrate in Municipal Supplies at McFarland, Calif., Gerald A. Guter and Ernest Kartinen, Jr., EE80:July 80:520
Cost Effective Water Quality Monitoring, Stanley L. Ponce, E. Thomas Bartlett and Corey P. Wong, IRKB:July 80:530
Effect of Forestry Practices in Florida Watersheds, H. Riekerk, B. F. Swindel and John A. Replogle, IRKB:July 80:706
An Environmental Study to Assess The Effect of Drilling Fluids on Water Quality Parameters During High Rate, High Volume Discharge to the Ocean., R. C. Ayers, Jr., T. C. Sauer, Jr., D. O. Stuebner and R. P. Meek, CZ80:Nov 80:1730
Natural Fluctuations of Water Quality in a Headwater Stream, Joe F. Nix, EFHYF:Mar 79:391

Nitrogen Yields and Land Use in Southern Streams, Mingteh Chang, Jack D. McCullough and Frank A. Roth, II, IRKB:July 80:951
X-Ray Analysis and Suspended Sediment Source Area, Carlton S. Yee and Annette Parsons, IRKB: July 80:442

Water Services
Water Lifeline EQ Engineering Practiced by Ebmud, Walter F. Anton, C080:80:125

Watershed Management
Calibration and Application of a Watershed Planning Model, Robert D. Looper, HYUS:June 80:152
Curve Numbers from Watershed Data, Everett P. Springer, Bruce J. McGurk, Richard H. Hawkins and George B. Coltharp, IRKB:July 80:938
Effect of Out-Of-Basin Water Diversions on Instream Flow Needs, Wayne S. Gentry, IRKA:July 80:52
Erosion Modeling Approaches for Construction Sites, Richard C. Warner and Benjamin C. Dysart, III, IRKB:July 80:465
Evaluating Hydrologic Responses to Forest Activities, Charles C. Avery and Malchus B. Baker, Jr., IRKB:July 80:485
Evaluating Silvicultural Impacts on Water Resources, Gordon Snyder, IRKB:July 80:682
Graphical Display of Watershed Management Options, Rhey M. Solomon and Larry J. Schmidt, IRKB:July 80:1026
Hydrologic Considerations in Federal Coal Leasing, Bruce Van Haveren, IRKB:July 80:655
Hydrologic/Economic Systems in Watershed Research, David G. Carvey and James G. Robb, IRKB:July 80:1036
Hydrologic Simulation of the Effects of Forest Removal, D. S. Chanasyk and Jacobus P. Verschuren, IRKB:July 80:452
Land Imprinting for Better Watershed Management, Robert M. Dixon and John R. Simanton, IRKB: July 80:809
Path Clearcuts to Manage Snow in Lodgepole Pine, Howard L. Gary, IRKB:July 80:335
Runoff Curve Numbers form Partial Area Watersheds, Richard H. Hawkins, IR4:Dec 79:375: 15024
Snowmelt Sediment from Sierra Nevada Headwaters, Clarence M. Skau, John C. Brown and John A. Nadolski, IRKB:July 80:418
South Fork Salmon River—Future Management, Gene F. Cole and Walter F. Megahan, IRKB:July 80:396
South Fork Trinity River Watershed Study, Ralph G. Scott, Jr., Koll Y. Buer and Stephen M. James, IRKB:July 80:406
Universal Soil Loss Equation and Rangelands, W. H. Blackburn, IRKB:July 80:588
Watershed Management in Action on the Boise Front, Clifton W. Johnson, Glen M. Secrist, Gerald C. Scholten and Robert J. Baum, IRKB:July 80:998
Watershed Management: The California Experience, Chuck Watson, IRKB:July 80:1048
Watershed Parameters as Influenced by Grazing, W. H. Blackburn, R. W. Knight, M. K. Wood and L. B. Merrill, IRKB:July 80:552

Watersheds (Basins)
Areawide Soil Loss Predictions Using CIR Airphotos, Ken M. Morgan and Randolph Naleps, AS80:Aug 80:24
A Baseflow Simulation Model, Susan E. Hogg, Anton G. Thompson and W. David Striffler, IRKB:July 80:755
Calibration and Application of a Watershed Planning Model, Robert D. Looper, HYUS:June 80:152
Comparison of HEC 1 & TR 20 Programs, Muthusamy Krishnamurthy and W. Tracy Lenocker, HYUS:June 80:92
A Data Base System for Real Time Hydrologic Modeling, Robert M. Ragan and Jack D. Fellows, AS80:Aug 80:33
A Design Model for Sediment Control on Mined Lands, Billy J. Barfield, L. G. Wells, B. Wilson, John S. Tapp and R. A. Uhl, IRKB:July 80:628
Discrete Dynamic Model of Watershed Sediment Yield, Tribeni C. Sharma and William T. Dickinson, HY5:May 79:555:14592
Dissolved Solids from Appalachia Coal Mining, Jack D. Generaux and Keith O. Eggleston, IRKB:July 80:607
Ecological Characterizations—An Evaluation Tool, Jay F. Watson, CZ80:Nov 80:509
Effect of Forestry Practices in Florida Watersheds, H. Riekerk, B. F. Swindel and John A. Replogle, IRKB:July 80:706
Empirical Investigation of Curve Number Technique, Allen T. Hjelmfelt, Jr., HY9:Sept 80:1471:15693
Fire Rehab in the Bend Municipal Watershed, Bruce P. McCammon and Dallas Hughes, IRKB:July 80: 252
Geomorphic Indices of Hydrologic Characteristics, James R. Maxwell and Richard A. Marston, IRKB: July 80:1
Geomorphic Indices of Hydrologic Characteristics, R. B. White and Richard H. Hawkins, IRKB:July 80: 54
Groundwater Recharge: Economic Benefit Quantified, Lonnie D. Schardt, IRKB:July 80:129
Hydrologic/Economic Systems in Watershed Research, David G. Carvey and James G. Robb, IRKB:July 80:1036
Hydrologic Effects of a Severe Forest Fire, J. D. Cheng, IRKB:July 80:240
Impact of Urbanization on Water Quality for a Major Watershed, James F. Conley and Thomas J. Olenik, Preprint No.80-563, Oct 80, 14pp.
Infiltration and Curve Numbers: Some Pragmatic and Theoretic Relationships, Richard H. Hawkins, IRKB:July 80:925
Long-Term Impacts of Surface Mining on Streamflow, R. C. Sidle and H. A. Menser, IRKB: July 80:598
Management of Galbraith Gap Municipal Watershed, David R. DeWalle, IRKB:July 80:1012
Modeling of Storm Drainage in a Coastal City, Jerome M. Normann, HYUS:June 80:108
A Model Structure for Stream Systems, John B. Stall, HYCO:Aug 80:98
Nitrogen Yields and Land Use in Southern Streams, Mingteh Chang, Jack D. McCullough and Frank A. Roth, II, IRKB:July 80:951
Predicting Sediment Yield from Strip-Mined Land, Martin M. Fogel, Louis H. Hekman, Jr. and Lucien Duckstein, IRKB:July 80:176
Reducing Salinity of Surface Runoff from Rangeland, R. Gordon Bentley, Eric B. Janes and Keith O. Eggleston, IRKB:July 80:69
Riverbed Improves over Time: South Fork Salmon, Walter F. Megahan, William S. Platts and Bert Kulesza, IRKB:July 80:380
A Simple Lumped-Parameter Runoff-Quality Model, William M. Alley, HYUS:June 80:236
A Simple Method to Characterize Watershed Soils, James W. Naney and Lajpat R. Ahuja, IRKB:July 80:731
Snowmelt Sediment from Sierra Nevada Headwaters, Clarence M. Skau, John C. Brown and John A. Nadolski, IRKB:July 80:418
South Fork Trinity River Watershed Study, Ralph G. Scott, Jr., Koll Y. Buer and Stephen M. James, IRKB:July 80:406
Stormwater and Lake Quality Management—Two Examples, Gregory E. Kamedulski and Richard F. Thomas, HYUS:June 80:303
Stormwater Detention in Developing Watersheds, Christopher B. Amandes and Philip B. Bedient, EE2:Apr 80:403:15335
The STS Method for Flood Frequency Estimation, Mark Wildermuth, HYUS:June 80:66
Turbidity and Suspended Sediment Relationships, Robert L. Beschta, IRKB:July 80:271
Unit Hydrographs for Urbanizing Watersheds, James F. Cruise and Dinshaw N. Contractor, TN: HY3: Mar 80:440:15229
Use of Physical Data for Estimating Sediment Yield, Ronnie D. Clark, IRKB:July 80:836
Watershed Management: The California Experience, Chuck Watson, IRKB:July 80:1048

Water Shortage
Chicago Water System: Opportunities and Challenge of Lake Michigan, Richard A. Pavia, WR2:Sept 79: 371:14856
Crop-Water Production Functions in Economic Analysis, Harry Ayer, Paul Hoyt and Melvin L. Cotner, IRKA:July 80:336
Data Systems for Reuse Planning, David H. Bauer, EE80:July 80:644
Nonpoint Source Loads and Impacts to a Water Supply Reservoir, Charles J. Newell and Philip B. Bedient, EE80:July 80:364
Water Reuse Markets and Project Costs in Southern California, Frank A. Grant, Norman G. Hixson, Paul Teigen and E. Wiley Horne, EE80:July 80:640
Western Economic Development and Water Planning: Bureau of Reclamation, John E. Keith, Keith Wilde, Jay C. Andersen and Allen LeBaron, WR1:Mar 79:161:14416

Water Speed
Estuarine Circulation from Dye-Buoy Photogrammetry, John C. Munday, Jr., Christopher S. Welch and Hayden H. Gordon, PO80:May 80: 417

Water Stops
Repair of Waterstop Failures, Ernest K. Schrader, EY2:Oct 80:155:15741

Water Storage
Biological Contamination of Finished Water Reservoirs, J. Sykora, Maurice A. Shapiro and G. Keleti, EE80:July 80:267
Development of a Dynamic Stormwater Management System, Peter E. Manz, HYUS:June 80:163
Infiltration and Curve Numbers: Some Pragmatic and Theoretic Relationships, Richard H. Hawkins, IRKB:July 80:925
Seismic Design of Elevated Tanks, Robert S. Wozniak, Preprint No.80-067, Apr 80, 26pp.
Stormwater Interception and Storage, Dominic M. Di Toro and Mitchell J. Small, EE1:Feb 79:43:14368
Water Source Investigation for Newport News, Va., Robert C. Dolecki, Richard E. Underhill and James A. Rhodes, EE80:July 80:249

Water Supplies
Designing for Deficit Irrigation, Marshall J. English and G. S. Nuss, IRKA:July 80:312
Soil Moisture and Snowpack after Clearcutting, George E. Hart and David A. Lomas, IRKB:July 80:311

Water Supply
Accuracy of Snowmelt Runoff Estimates, Mark E. Hawley, Richard H. McCuen and Albert Rango, IRKB:July 80:347
Alternatives for Reducing Nitrate in Municipal Supplies at McFarland, Calif., Gerald A. Guter and Ernest Kartinen, Jr., EE80:July 80:520
Biological Contamination of Finished Water Reservoirs, J. Sykora, Maurice A. Shapiro and G. Keleti, EE80:July 80:267
BPA Hydrologic Forecasting Considerations and Action During the 1976-77 Drought, William R. Gordon, C. H. Watkins and R. C. Lamb, EFHYF: Mar 79:274
Corps of Engineers Initiatives in Water Supply, Donald B. Duncan, Preprint No.80-564, Oct 80, 14pp.
Cost of Water Supply: Selected Case Studies, Robert M. Clark, John A. Machisko and Richard G. Stevie, EE1:Feb 79:89:14365
Data Systems for Reuse Planning, David H. Bauer, EE80:July 80:644
Delaware River Basin Water Resources Management, Cecil H.J. Hull, WR1:Nov 78:157:14166
Dual Recharge Well for Water Supply Stabilization, William H. Fleming, Jr. and Gerald E. Speitel, EE80:July 80:257
Emerging Federal Water Supply Policies, Warren Viessman, Jr., Preprint No.80-532, Oct 80, 9pp.
Environment and Water Development in Third World, Asit K. Biswas, WR1:Mar 80:319:15295
Evaluating Hydrologic Responses to Forest Activities, Charles C. Avery and Malchus B. Baker, Jr., IRKB:July 80:485
An Evaluation of a Cloud Seeding Program in Utah, Don A. Griffith, IRKA:July 80:107
Fluoride, Nitrate, Arsenic, and Selenium Removal From Small Community Water Supplies, Dennis Clifford, Maheyar Bilimoria, Gurinder Singh and Tom Sorg, EE80:July 80:514
Ground-Water Storage for California Water Project, Jack J. Coe, IR3:Sept 79:305:14832
Is Your Weather Being Modified?, Stanley A. Changon, Jr., IR1:Mar 80:37:15253
Laguna de Bay Water Resources Development, Ernest Pariset, EE6:Dec 77:1021:13420
Let's Look at Some Legal Implications of Streamflow Forecasting, Thomas M. Stetson, EFHYF:Mar 79: 312
Managing Snowpack Augmentation Research, Olin H. Foehner, IRKA:July 80:85
MAPS - Developing a Water Resources Screening Tool, Thomas M. Walski, CP80:June 80:341
New Initiatives in Water Supply and Planning: A State Perspective, Robert A. Cook, Preprint No.80-597, Oct 80, 7pp.
Noncomputer Optimization of Single-Source Networks, Pramod R. Bhave, EE4:Aug 78:799: 13956
Nonpoint Source Loads and Impacts to a Water Supply Reservoir, Charles J. Newell and Philip B. Bedient, EE80:July 80:364
Optimal Capacity of Municipal Water Supply Pumps, Trevor C. Hughes, WR2:Sept 79:317:14846
Organics Removal by Ion Exchange-Process Design, Christine Ann Macko and Walter J. Maier, EE80: July 80:394
Practical Aspects of Town Water Planning, Paul G. Fischer, Jr. and Tsung Ting Chiang, WR1:Mar 80: 159:15279
Predicting Eutrophication Impacts of Development, Myron S. Rosenberg, Robert A. Kimball and Robert P. Shubinski, IRKB:July 80:517
Problems in Operational Hydrologic Forecasting, Jack F. Hannaford and Roderick L. Hall, EFHYF: Mar 79:47
Public Water Supply Protection Benefits, Michael B. Sonnen, EE3:June 79:511:14604
Reuse Alternatives in the Los Angeles Basin, Brian L. Ramaley, Gordon P. Treweek, Frank A. Grant and E. Wiley Horne, EE80:July 80:207
The Role of the Corps in Port Development, Douglas L. Haller, PO80:May 80:726
Session V—Power Forecasting, Catalino B. Cecilio, EFHYF:Mar 79:424
Small Water Systems: Role of Technology, Robert M. Clark, EE1:Feb 80:19:15181
Spatial and Demographic Data: A Unified Means for Predicting Urban Service System Performance, Robert M. Clark and Richard M. Males, SU80:June 80:142
Synthetic Hydrologic Information - A Case Study, Krishan P. Singh, HY10:Oct 79:1257:14922
Systematic Groundwater Development Under Risk, John W. Labadie, Duane R. Hampton and Warren A. Hall, Preprint No.80-146, Apr 80, 22pp.
Use of Highly-Treated Wastewater to Recharge the Ground-Water Reservoir in Nassau County, Long Island, New York, David A. Aronson, EE80:July 80:214
Water: A Perspective on Global Issues and Politics, Asit K. Biswas, WR2:Sept 79:205:14815
Water Lifeline EQ Engineering Practiced by Ebmud, Walter F. Anton, C080:80:125
Water Source Investigation for Newport News, Va., Robert C. Dolecki, Richard E. Underhill and James A. Rhodes, EE80:July 80:249
Water Supply Feasibility Studies in Philippines, Leonardo V. Gutierrez, Jr., UP1:May 78:59:13726
Water Supply Forecasting in California - 1976-78, Charles H. Howard, EFHYF:Mar 79:285
Water Supply Regionalization: A Critical Evaluation, Robert M. Clark, WR2:Sept 79:279:14842

Water Supply Forecasting
Forecast Error and Operational Application of Water Supply Forecasts, Jack F. Hannaford, Roderick L. Hall and A. Jean Brown, Preprint No.80-071, Apr 80, 21pp.
Let's Look at Some Legal Implications of Streamflow Forecasting, Thomas M. Stetson, EFHYF:Mar 79: 312
MAPS - Developing a Water Resources Screening Tool, Thomas M. Walski, CP80:June 80:341
Regional Versus Local Water Supply Planning in the Metro Washington, D.C. Area, James E. Crews, Preprint No.80-589, Oct 80, 9pp.

Water Supply Systems
Areawide Water System Planning in Washington State, Richard Siffert, Preprint No.80-161, Apr 80, 14pp.
Flow Induced Vibration in Circulating Water System, Frank Bakes and Ben P. McGoodwin, TN: HY8: Aug 80:1394:15590
Formulating Utah's Seismic Policy for Lifelines, Delbert B. Ward and Craig E. Taylor, C080:80:202
Gillette-Madison Water Project Optimal Design, William E. West, Glen Taylor and Vance G. Lee, IRKA:July 80:431
Land Use and Water System Planning, A. Lee Cesario, SU80:June 80:153
Linear Theory Methods for Pipe Network Analysis, Lewis T. Isaacs and Kevin G. Mills, HY7:July 80: 1191:15559
Planning, Design, Construction and Operation of a Reclaimed Water System, Shahnawaz Ahmad and James C. Lundie, EE80:July 80:122
Simulation of Water System Seismic Risk, Irving J. Oppenheim, TC2:Dec 79:327:15067
Soap Films, Steiner Trees and Water Systems, Chan F. Lam and Pramod R. Bhave, HYCO:Aug 80:221
Unsteady Flows in Water Distribution Systems, Suha Sevuk, HYCO:Aug 80:228
Water Pipeline Location, S. J. O'Keefe, ASDC:80: 131
Water System Improvement Program in Eugene, Oregon, James H. Brown, Preprint No.80-014, Apr 80, 15pp.

Water Surface Profiles
Water Surface Profile for Horseshoe Tunnel, Walter W. Hu, TE2:Mar 80:133:15256

Water Table
Combination Surface-Subsurface Drainage System for Humid Regions, R. Wayne Skaggs, IR4:Dec 80:265: 15883
Drainage in the Humid Region of the Pacific Northwest, Gordon W. Stroup and Donald L. Stettler, IRKA:July 80:251
Drain Construction on The Columbia Basin Project, Richard Jack Christopher and Keith Campbell, IRKA:July 80:280
Hydrologic Parameter Distribution on a Mine Spoil, A. S. Rogowski, IRKB:July 80:764
Perturbation Solutions for Water-Table Aquifers, Edmund A. Prych, TN: HY4:Apr 80:603:15305
Stochastic Model of Water Table under Drainage, Budhi Sagar and Christian Preller, IR3:Sept 80:189: 15673
Unsteady Drawdown in 2-D Water Table Aquifer, David T. Higgins, IR3:Sept 80:237:15696

Water Tanks
Optimum Proportions of Cylindrical Steel Water Tanks, Kiran K. Singh and Prabhata K. Swamee, TN: ST5:May 80:1193:15384

Water Temperature
Cooling Potential of Missouri River in Missouri, Arthur R. Giaquinta, HY11:Nov 80:1813:15834
Fish, Flushing, and Water Quality: Their Roles in Marina Design, Rick D. Cardwell, Ronald E. Nece and Eugene P. Richey, CZ80:Nov 80:84
Modeling Hourly Water Temperature Dynamics, Russ T. Brown, HYCO:Aug 80:25
Stream Temperature Estimation Using Kalman Filter, Chao-Lin Chiu and Emmanuel Oko Isu, HY9:Sept 78:1257:13991
A Temperature Model for Small Mountain Streams, Shelley S. Ellis, Stanley L. Ponce and L. Eric Siverts, IRKB:July 80:494
Water Temperature Mapping by Infrared Scanner, James B. Evans, AS80:Aug 80:118

Water Transfer
Water Allocation and Management in the Southeast, David H. Howells, WR2:Sept 79:259:14837
Water and Salt Transfers in an Irrigation District, Martin Oosterveld and Jack M. Carefoot, IR2:June 79:197:14646

Water Transportation
An Analysis of Inland Waterway Policy as It Relates to High Priority National Objectives, William J. Hull, Preprint No.80-598, Oct 80, 17pp.

Water Treatment
Biological Contamination of Finished Water Reservoirs, J. Sykora, Maurice A. Shapiro and G. Keleti, EE80:July 80:267
Carbon Treatment of Drinking Water: N.J. Plant Trying to Get Out Bugs, Eugene E. Dallaire, CE: Jan 80:64
Chemical Flocculation in Coal Mine Sediment Ponds, John S. Tapp, Billy J. Barfield and Edward G. Foree, IRKB:July 80:615
Control of Trihalomethanes Using Powdered Carbon, Mark C. Anderson, R. C. Butler, B. H. Kornegay and W. D. Pfoutz, EE80:July 80:378
Convection Limited Sorption Kinetics in Packed Beds, David W. Hendricks, EE4:Aug 80:727:15605
Declining-Rate Versus Constant-Rate Filtration, Luiz Di Bernardo and John L. Cleasby, EE6:Dec 80: 1023:15891
Drainage Design in a Riverine Floodplain System, Robert James Motchkavitz, HYUS:June 80:369
Drainage Design of the Tampa Palms Property, Robert James Motchkavitz, IRKA:July 80:150
Dual Rate Kinetic Model of Fixed Bed Adsorber, Russell G. Peel and Andrew Benedek, EE4:Aug 80: 797:15638
Economic Analysis of Granular-Bed Filtration, Raymond D. Letterman, EE2:Apr 80:279-15337
The Effect of Complex Formation on the Removal of Heavy Metals from Water and Wastewater, C. P. Huang and A. R. Bowers, EE80:July 80:240
Filter Backwashing by Ejector, Jerry Y.C. Huang, EE5:Oct 79:915:14890
High-Rate Filtration in Polymer-Treated Sand Bed, John J. Byeseda and Nicholas D. Sylvester, EE2: Apr 79:231:14525
Hydraulic Considerations in Declining-Rate Filtration, John L. Cleasby and Luiz Di Bernardo, EE6:Dec 80:1043:15892
A Marine Terminal for Exportation of Slurried Coal, R. B. Jacques and P. K. Johnson, PO80:May 80:32
Metals Removal from Wastewater Sludges with Liquid-Ion Exchange, David A. Cornwell and Gary C. Cline, EE80:July 80:540
Multiple-Tap Column Design for Adsorbents, Kent E. Zenobia and Irwin H. Suffet, TN: EE4:Aug 80: 852:15588
Optimum Backwashing of Sand Filters, Appiah Amirtharajah, EE5:Oct 78:917:14078
Organics in Water—An Engineering Challenge, Perry L. McCarty, EE1:Feb 80:1:15180
Performance of Package Water Treatment Plants, James M. Morand and Matthew J. Young, EE80: July 80:526
Public Water Supply Protection Benefits, Michael B. Sonnen, EE3:June 79:511:14604
Settling in Continuous Sedimentation Tanks, J. Francisco Cordoba-Molina, Robert R. Hudgins and Peter L. Silveston, EE6:Dec 78:1261:14231
Simulation of Lime-Soda Softening, Li-Shiang Liang, Irvine W. Wei and Henry G. Sideropoulos, EE5: Oct 80:935:15756
Small Water Systems: Role of Technology, Robert M. Clark, EE1:Feb 80:19:15181

Spatial and Demographic Data: A Unified Means for Predicting Urban Service System Performance, Robert M. Clark and Richard M. Males, SU80:June 80:142
Stormwater Runoff Modeling of a Planned Community, Kevin J. Smolenyak, HYUS:June 80:378
Storm Water Treatment with Minor Plant Alterations, George R. Brower, Robert H. Brotherton and John B. Kincaid, EE80:July 80:472
Trace Organics Removal by Advanced Waste Treatment, Martin Reinhard, Carla J. Dolce, Perry L. McCarty and Dave G. Argo, EE4:Aug 79:675:14760

Water Treatment Plants
Chicago Water System: Opportunities and Challenge of Lake Michigan, Richard A. Pavia, WR2:Sept 79:371:14856
Drainage Design of the Tampa Palms Property, Robert James Motchkavitz, IRKA:July 80:150
Performance of Package Water Treatment Plants, James M. Morand and Matthew J. Young, EE80:July 80:526

Water Tunnels
Minimizing Risks/Mitigating Losses, V. Wallace Ryland, CRLS:Jan 79:I-145
A Quantitative Method for Analyzing the Allocation of Risks in Underground Construction, Raymond E. Levitt, CRLS:Jan 79:II-201
Size Determination of Partly Full Conduits, Yusuf G. Mussalli, HY7:July 78:959:13862
Water Resources for Chicago — History and Furure, Forrest C. Neil and Frank E. Dalton, WR1:Mar 80:173:15269
Water Surface Profile for Horseshoe Tunnel, Walter W. Hu, TE2:Mar 80:133:15256

Water Use
BPA Hydrologic Forecasting Considerations and Action During the 1976-77 Drought, William R. Gordon, C. H. Watkins and R. C. Lamb, EFHYF:Mar 79:274
The Columbia River Estuary Data Development Program, Gary Lawley, Robert J. Moulton and David H. Kent, CZ80:Nov 80:1159
Competition of Energy for Agricultural Water Use, A. Bruce Bishop and Rangesan Narayanan, IR3:Sept 79:317:14838
Data Systems for Reuse Planning, David H. Bauer, EE80:July 80:644
Elkhorn Slough: The Making of an Estuarine Sanctuary, Nona B. Dennis, Bruce Browning and Hal Bissell, CZ80:Nov 80:1939
Session II—Economic Aspects of Hydrologic Forecasting, L. Douglas James, EFHYF:Mar 79:417
Striking the Balance in Energy Project Siting, Richard A. Du Bey, Cheryl R. Koshuta and Daniel I. Steinborn, CZ80:Nov 80:2135
Water: A Perspective on Global Issues and Politics, Asit K. Biswas, WR2:Sept 79:205:14815
Water Quality Indexing and Scoring, Roy O. Ball and Richard L. Church, EE4:Aug 80:757:15617
Water Reuse Markets and Project Costs in Southern California, Frank A. Grant, Norman G. Hixson, Paul Teigen and E. Wiley Horne, EE80:July 80:640
Water Use Efficiency: A Case Study In NW Nevada, Johannes C. Guitjens, IRKA:July 80:365
Water Use For Electric Power Generation, David M. Snyder, K. T. Mao and Robert D. Glynn, Jr., EFHYF:Mar 79:400

Water Waves
California Coastal Data Collection Program—Data Collection, Analysis and Dissemination, George W. Domurat and Douglas M. Pirie, CZ80:Nov 80:2171
Convergence of Four-Point Implicit Water Wave Models, Victor Miguel Ponce, Horst Indlekofer and Daryl B. Simons, HY7:July 78:947:13890
Dependency of Astronomic Tide and Hurricane Surge, Richard A. Schmalz, Jr., HYUS:June 80:7
Integral Equation Method for linear Water Waves, James R. Salmon, Philip La-Fan Liu and James A. Liggett, HY12:Dec 80:1995:15932
Nonlinear Inertia Forces on Bodies, Michael de St.Q. Isaacson, WW3:Aug 79:213:14743
Vertical Cylinders of Arbitrary Section in Waves, Michael de St. Q. Isaacson, WW3:Aug 78:309:13973
Wave Dampening Due to Rubblemound Breakwaters, Michael de St.Q. Isaacson, WW4:Nov 78:391:14178
Wave Runup around Large Circular Cylinder, Michael de St.Q. Isaacson, WW1:Feb 78:69:13563

Waterways
Geometry of Gravel Streams, Howard H. Chang, HY9:Sept 80:1443:15678
Geometry of Rivers in Regime, Howard H. Chang, HY6:June 79:691:14640
Stable Alluvial Canal Design, Howard H. Chang, HY5:May 80:873:15420

Waterways (Transportation)
Impact of Gravel Mining on River System Stability, Peter F. Lagasse, Brien R. Winkley and Daryl B. Simons, WW3:Aug 80:389:15643

Waterways (Watercourses)
An Analysis of Inland Waterway Policy as It Relates to High Priority National Objectives, William J. Hull, Preprint No.80-598, Oct 80, 17pp.
Statistical Properties of Sediment Bed Profiles, Hsieh Wen Shen and Hin Fatt Cheong, HY11:Nov 77:1303:13348

Waterworks
Lifeline Seismic Risk: Decisions Under Uncertainty, Irving J. Oppenheim, C080:80:218
Localized Scour Below Submerged Vertical Gates, Hilmi Dogan Altinbilek and Yakup Basmaci, HYCO:Aug 80:39
Water Lifeline EQ Engineering Practiced by Ebmud, Walter F. Anton, C080:80:125

Water Yield
Controlling Nonpoint Source Pollution from Commercial Clearcuts, Keith E. Mussallem and James A. Lynch, IRKB:July 80:669
Effect of Forestry Practices in Florida Watersheds, H. Riekerk, B. F. Swindel and John A. Replogle, IRKB:July 80:706
Graphical Display of Watershed Management Options, Rhey M. Solomon and Larry J. Schmidt, IRKB:July 80:1026
Path Clearcuts to Manage Snow in Lodgepole Pine, Howard L. Gary, IRKB:July 80:335
Soil Moisture and Snowpack after Clearcutting, George E. Hart and David A. Lomas, IRKB:July 80:311
Timber Harvest and Water Yields in the Ozarks, Carl D. Settergren, R. Michael Nugent and Gary S. Henderson, IRKB:July 80:661

Wave Action
Air-Water Flow in Coarse Granular Media, Alim A. Hannoura and John A. McCorquodale, HY7:July 78:1001:13888
Dynamic Response Of Floating Bridge To Wave Forces, Charles H. Beauchamp and Dominique N. Brocard, EM81:Jan 81:46
Engineering Planning of Dike and Polder Airports, Frank T. Wheby, TE3:May 80:245:15417
Linear and Nonlinear Wave Action Estimates, Robert T. Hudspeth and Larry S. Slotta, EM2:Apr 78:319:13695
Sea Cliff Erosion in Southern California, Louis J. Lee, CZ80:Nov 80:1919
Soil-Cement for Protection of Shorelines, William G. Dinchak, CZ80:Nov 80:2203
Sunset Cliffs Stabilization San Diego, California, Louis J. Lee and Walter Crampton, CZ80:Nov 80:2271

Wave Attenuation
Sand Bed Friction Factors for Oscillatory Flows, Philip Vitale, WW3:Aug 79:229:14754
Sea Wave Attenuation due to Deformable Bottoms, G. Z. Forristall, A. M. Reece, M. E. Thro, E. G. Ward, E. H. Doyle and R. C. Hamilton, Preprint No.80-536, Oct 80, 18pp.

Wave Damping
Wave Dampening Due to Rubblemound Breakwaters, Michael de St.Q. Isaacson, WW4:Nov 78:391:14178

Wave Diffraction
Irregularities in Solutions of Nonlinear Wave Diffraction Problem by Vertical Cylinder, Touvia Miloh, TN: WW2:May 80:279:15385
Wave Diffraction by Absorbing Wedge, Jesper Larsen, WW4:Nov 79:439:15000

Wave Dispersion
Direct Solution of Wave Dispersion Equation, John N. Hunt, TN: WW4:Nov 79:457:14944

Wave Energy
Bintulu Malaysia LNG Project, Clemence L. Cameron and Samuel P. Lin, PO80:May 80:455
California Coastal Data Collection Program Status, Douglas M. Pirie and George W. Domurat, CZ80: Nov 80:2180
Design of Statfjord B Articulated Loading Platform, Marjorie A. Prosuch, PO80:May 80:385
Dune Erosion and Recovery on a Northern Barrier, John W. Armon, CZ80:Nov 80:1233
Dynamic Response of Piles in Offshore Platforms, Robert G. Bea, GTA80:Oct 80:80
Dynamic Responses of Floating Structures, Jun G. Chao, WW2:May 78:105:13769
Effects of Directional Sea In Model Testing, J. Kirkegaard, S. E. Sand, N.-E. Ottesen Hansen and M. Hvidberg Knudsen, PO80:May 80:597
Further Tests on Ocean Wave Forces on Sphere, Robert A. Grace and Gabriel T.Y. Zee, TN: WW1: Feb 78:83:13513
Inline Forces on Fixed Vertical Cylinder in Waves, Subrata K. Chakrabarti, WW2:May 80:145:15403
Large Rubble-Mound Breakwater Failures, Eugene H. Harlow, TN: WW2:May 80:275:15385
Linear and Nonlinear Wave Action Estimates, Robert T. Hudspeth and Larry S. Slotta, EM2:Apr 78:319:13695
Longshore Currents with Wave Current Interaction, Robert A. Dalrymple, TN: WW3:Aug 80:414:15592
Marine Cable Structures, Alain H. Peyrot, ST12:Dec 80:2391:15901
Math Model for Harbor Waves/Ship Motions/ Moorings, Herman Bomze, PO80:May 80:624
Modeling Three-Dimensional Wind-Induced Flows, Christopher Koutitas and Brian O'Connor, HY11: Nov 80:1843:15836
Motion Analysis of Articulated Tower, Subrata K. Chakrabarti and Dennis C. Cotter, WW3:Aug 79: 281:14766
Nonlinear Inertia Forces on Bodies, Michael de St.Q. Isaacson, WW3:Aug 79:213:14743
Potential Coastal-Zone Impacts of Alternative Ocean Energy Systems, Volker W. Harms and Nancy Gutshall, CZ80:Nov 80:947
Power from Waves Using Harbor Resonators, William James, WW1:Feb 80:99:15210
Sensitivity Ranking of Energy Port Shorelines, Miles O. Hayes, Erich R. Gundlach and Charles D. Getter, PO80:May 80:697
Soil-Cement for Protection of Shorelines, William G. Dinchak, CZ80:Nov 80:2203
Surging in the Shark River Boat Basin, J. Richard Weggel and Robert M. Sorensen, PO80:May 80: 640
Unpredicted Rapid Erosion, Tybee Island, Georgia, Frank H. Posey, Jr. and F. Wade Seyle, Jr., CZ80: Nov 80:1869
Vertical Cylinders of Arbitrary Section in Waves, Michael de St. Q. Isaacson, WW3:Aug 78:309: 13973
Wave Energy Transfer to a Spring Supported Plate, Richard A. Pries and Charles R. Ortloff, Preprint No.80-072, Apr 80, 20pp.
Wave Force Analysis: An Alternate Procedure, Yuan Jen, TN: WW1:Feb 80:117:15166
Wave Forces on Cylinders near Plane Boundaries, James C. Wright and Tokuo Yamamoto, WW1:Feb 79:1:14358
Wave Forces on Partially Submerged Cylinders, A. Graham Dixon, Clive A. Greated and Stephen H. Salter, WW4:Nov 79:421:14996
Wave Induced Instability in Ocean Floor Sands, W. D. Liam Finn, R. Siddharthan and Geoffrey R. Martin, Preprint No.80-638, Oct 80, 14pp.
Wave-Induced Pore Pressure Models — A Critical Review, James P. Healey and Pedro A. De Alba, Preprint No.80-562, Oct 80, 14pp.
Wave Propulsion of Spar Buoys, Thomas A. McClimans, TN: WW3:Aug 80:410:15592
The Wave Pump: Conversion of Wave Energy to Current Energy, Per Moller Bruun and Gisli Viggosson, WW4:Nov 77:449:13317

Wave Equations
Laboratory Generated Waves and Wave Theories, Subrata K. Chakrabarti, WW3:Aug 80:349:15644
Ocean Wave Statistics for 1961 North Atlantic Storm, Subrata K. Chakrabarti and Ralph P. Cooley, WW4:Nov 77:433:13320
Two-Dimensional Shallow Water-Wave Models, Nikolaos D. Katopodes and Theodor Strelkoff, EM2:Apr 79:317:14532

Wave Equations (Piles)
Case History: Concrete-Filled Steel Pipe Piles, David E. Thompson and John W. Critchfield, GTDF:80:444
High Capacity Pile Foundations for China Steel Corporation Integrated Steel Mill, W. C. Wan, Paul Engeling and Edith A. Hacker, GTDF:80:495
Pile Foundations for One Market Plaza, Edward E. Rinne and Michael W. Stobbe, GTDF:80:343
Predrilling: Minimizes the Undesirable Effects of Pile Installation?, Richard P. Ray, Edward J. Ulrich, Jr. and James Malinak, GTDF:80:459
Rational Approach to Pile Foundations, Michael M. Blendy, GTDF:80:38
Stress Measurements for Offshore Piles Driving, Wendell R. Vines and Jack J. Amar, GTDF:80:475

Wave Functions
Ocean Wave Statistics for 1961 North Atlantic Storm, Subrata K. Chakrabarti and Ralph P. Cooley, WW4:Nov 77:433:13320

Wave Generation
Efficient FFT Simulation of Digital Time Sequences, Robert T. Hudspeth and Leon E. Borgman, EM2: Apr 79:223:14517
Paddle Generated Waves in Laboratory Channels, Reinhard E. Flick and Robert T. Guza, WW1:Feb 80:79:15175

Wave Height
Calibration of Numerical Model for Harbor Waves, Herman Bomze, HYCO:Aug 80:441
California Coastal Data Collection Program—Data Collection, Analysis and Dissemination, George W. Domurat and Douglas M. Pirie, CZ80:Nov 80:2171
California Coastal Data Collection Program Status, Douglas M. Pirie and George W. Domurat, CZ80: Nov 80:2180
Design of Statfjord B Articulated Loading Platform, Marjorie A. Prosuch, PO80:May 80:385
Diffraction of Waves by Shore-Connected Breakwater, Volker W. Harms, HY12:Dec 79:1501: 15075
Extreme Values of Breaker Direction and Longshore Current, Michael Stiassnie and Uri I. Kroszynski, TN: WW3:Aug 79:331:14731
Prediction of Extreme Wave Heights and Wind Velocities, Liu Teh-fu and Ma Feng-shi, WW4:Nov 80:469:15862

Regional Coastal Zone Management Coordination: Dealing with Coastal Flooding on New England, Steven L. Colman, CZ80:Nov 80:1216
Spectral Wave Set-up and Run-up, F. H.Y. Wu, J. Ian Collins and David J. Divoky, HYUS:June 80: 327
The Use of Synthetic Fabrics in Coastal Dune Stabilization, Donald K. Stauble, CZ80:Nov 80: 2190
Wave Dampening Due to Rubblemound Breakwaters, Michael de St.Q. Isaacson, WW4:Nov 78:391: 14178

Wave Measurement
California Coastal Data Collection Program Status, Douglas M. Pirie and George W. Domurat, CZ80: Nov 80:2180

Wave Pressure
Laboratory Generated Waves and Wave Theories, Subrata K. Chakrabarti, WW3:Aug 80:349:15644
A Predictive Model of Hurricane Wind-Waves, Rodney J. Sobey and Ian R. Young, HYCO:Aug 80:333
Stresses Induced in a Rigid Sandbed by Wave Loading, Kenneth R. Demars, Preprint No.80-539, Oct 80, 14pp.
Wave Forces on Multiple Vertical Cylinders, Subrata K. Chakrabarti, WW2:May 78:147:13727
Wave Forces on Partially Submerged Cylinders, A. Graham Dixon, Clive A. Greated and Stephen H. Salter, WW4:Nov 79:421:14996
Wave-Induced Pore Pressures in a Submerged Sand Layer, Yuet Tsui and Steven C. Helfrich, Preprint No.80-570, Oct 80, 17pp.

Wave Propagation
Divergent Flow in the Vicinity of a Breached Dam, Nikolaos D. Katopodes, HYCO:Aug 80:310
Finite Element Analysis of Wave Transmission in A Coastal Channel with a Bell-Mouth Entrance, T. C. Gopalakrishnan and Jerry L. Machemehl, HYUS: June 80:125
Fluid Wave Propagation in Saturated and Nearly Saturated Sand, N. Foster Allen, Frank E. Richart, Jr. and Richard D. Woods, GT3:Mar 80:235:15286
Inaccuracies in the Characteristics Method, E. Benjamin Wylie, HYCO:Aug 80:165
Wave Propagation in Prestressed Curved Rods, Mehdi Farshad, EM2:Apr 80:395:15373
Wave Propulsion of Spar Buoys, Thomas A. McClimans, TN: WW3:Aug 80:410:15592
The Wave Pump: Conversion of Wave Energy to Current Energy, Per Moller Bruun and Gisli Viggosson, WW4:Nov 77:449:13317

Wave Refraction
Tidal Inlet Effects on Barrier Island Management, Duncan M. FitzGerald and Miles O. Hayes, CZ80: Nov 80:2355

Wave Runup
Delineation and Implementation of a Dune Management District, Paul A. Gares, Karl F. Nordstrom and Norbert P. Psuty, CZ80:Nov 80: 1269
Nonlinear Modeling of Wave Runup on Sloping Beach, Jagat N. Sharma, WW2:May 79:125:14564
Spectral Wave Set-up and Run-up, F. H.Y. Wu, J. Ian Collins and David J. Divoky, HYUS:June 80: 327
Wave Overtopping and Urban Stormwater Drainage In Hull, Massachusetts, Jonathan A. French, HYUS:June 80:336
Wave Runup around Large Circular Cylinder, Michael de St.Q. Isaacson, WW1:Feb 78:69:13563
Wave Run-up Influence on Overtopping of Levees, Date H. Keuning and Jan B.M. van Acker, HY5: May 79:589:14588
Wave Runup on Variable Beach Profiles, R. Bruce Taylor, III, E. Ozsoy and Thomas J. Turco, WW2: May 80:169:15424

Waves
Bottom Supported Terminal — Dravo Preload Concept, D. S. Hill, PO80:May 80:316
Calibration of Numerical Model for Harbor Waves, Herman Bomze, HYCO:Aug 80:441
Convergence of Four-Point Implicit Water Wave Models, Victor Miguel Ponce, Horst Indlekofer and Daryl B. Simons, HY7:July 78:947:13890
Converging Flow Model Applied to Urban Catchment, Franklin W. Ellis, Fred V. Ramsey and George M. Hornberger, HY9:Sept 80:1457:15711
Dam-Break Wave Model: Formulation and Verification, Cheng-lung Chen and Jeffrey T. Armbruster, HY5:May 80:747:15395
Design Criteria for Floating Tire Breakwaters, Volker W. Harms, WW2:May 79:149:14570
Design of a Tanker Mooring System for Dynamic Loads, Shih-lih Steve Fang and Robert M. Schneider, PO80:May 80:747
Diffraction of Water Waves by Isolated Structures, Volker W. Harms, WW2:May 79:131:14561
Digital Simulation of Nonlinear Random Waves, Robert T. Hudspeth and Min-Chu Chen, WW1:Feb 79:67:14376
Earthquake and Wave Design Criteria for Offshore Platforms, Robert G. Bea, ST2:Feb 79:401:14387
Experiments on Arrested Saline Wedge, John P. Grubert, HY6:June 80:945:15484
Finite Element Modeling of Nearshore Currents, Philip La-Fan Liu and Gerard P. Lennon, WW2: May 78:175:13719
Flow Routing in Tailwater Streams, Michael G. Ferrick, HYCO:Aug 80:192
Littoral Sand Transport from Longshore Currents, Todd L. Walton, Jr., TN: WW4:Nov 80:483:15793
Long Wave Model Independent of Stability Criteria, Gary C. Niemeyer, WW1:Feb 79:51:14345
Mathematical Simulation of Dam-Break Flow, Rudi Rajar, HY7:July 78:1011:13883
Microdroplets and Transport of Moisture from Ocean, Sung C. Ling, Timothy W. Kao and Alice I. Saad, EM6:Dec 80:1327:15923
Paddle Generated Waves in Laboratory Channels, Reinhard E. Flick and Robert T. Guza, WW1:Feb 80:79:15175
Performance Analysis of Tethered Float Breakwater, Richard J. Seymour and Daniel M. Hanes, WW3: Aug 79:265:14755
Response of Tunnels to Incident SH-Waves, Vincent W. Lee and Mihailo D. Trifunac, EM4:Aug 79:643: 14749
Sand Motion Initiation by Waves: Two Asymptotes, Robert Hallermeier, WW3:Aug 80:299:15603
Shallow Water Surface Wave Elevation Distributions, Edward F. Thompson, TN: WW2:May 80:285: 15385
Shallow Wave Propagation in Open Channel Flow, Victor Miguel Ponce and Daryl B. Simons, HY12: Dec 77:1461:13392
Statistics of Larger Waves in a Sea State, Kenneth G. Nolte and Feng H. Hsu, WW4:Nov 79:389:14963
Transitional Periodic Boundary Layer Study, B. R. Ramaprian and A. Mueller, HY12:Dec 80:1959: 15908
Wave Forces on Cylinders near Plane Boundaries, James C. Wright and Tokuo Yamamoto, WW1:Feb 79:1:14358
Wave Forces on Partially Submerged Cylinders, A. Graham Dixon, Clive A. Greated and Stephen H. Salter, WW4:Nov 79:421:14996
Wave Forces on Pipeline Buried in Permeable Seabed, Hugh MacPherson, WW4:Nov 78:407: 14187
Wave Overtopping and Urban Stormwater Drainage In Hull, Massachusetts, Jonathan A. French, HYUS:June 80:336
The Wave Pump: Conversion of Wave Energy to Current Energy, Per Moller Bruun and Gisli Viggosson, WW4:Nov 77:449:13317
Wave Tank Use In Small Boat Harbor Design, Newport News, Virginia, Christopher S. Welch, Evon Paul Ruzecki, Robert James Lukens and Ching Seng Fang, PO80:May 80:614

Wave Spectra
Spectral Wave Set-up and Run-up, F. H.Y. Wu, J. Ian Collins and David J. Divoky, HYUS:June 80: 327
Surging in the Shark River Boat Basin, J. Richard Weggel and Robert M. Sorensen, PO80:May 80: 640

Wave Spectrum
California Coastal Data Collection Program Status, Douglas M. Pirie and George W. Domurat, CZ80: Nov 80:2180
Linear and Nonlinear Wave Action Estimates, Robert T. Hudspeth and Larry S. Slotta, EM2:Apr 78:319:13695

Wave Tanks
Inline Forces on Fixed Vertical Cylinder in Waves, Subrata K. Chakrabarti, WW2:May 80:145:15403
Laboratory Generated Waves and Wave Theories, Subrata K. Chakrabarti, WW3:Aug 80:349:15644
Surging in the Shark River Boat Basin, J. Richard Weggel and Robert M. Sorensen, PO80:May 80: 640
Wave Tank Use In Small Boat Harbor Design, Newport News, Virginia, Christopher S. Welch, Evon Paul Ruzecki, Robert James Lukens and Ching Seng Fang, PO80:May 80:614

Wave Velocity
Cross-Hole and Down-Hole V_s by Mechanical Impulse, Bruce Auld, GT12:Dec 77:1381:13397
Effects of Directional Sea In Model Testing, J. Kirkegaard, S. E. Sand, N.-E. Ottesen Hansen and M. Hvidberg Knudsen, PO80:May 80:597
Transient Propagation in Slurries with Hold-Up, A. R.D. Thorley, HY8:Aug 80:1353:15641

Weak Interactions
Failure Mode Correlation in Weakest-Link Systems, Robert Coffin Garson, ST8:Aug 80:1797:15634

Weather
Identification and Nature of Risks in Construction Projects — A Contractor's Perspective, J. Joseph Casey, CRLS:Jan 79:1-17

Weather Data
Bottom Supported Terminal — Dravo Preload Concept, D. S. Hill, PO80:May 80:316
Energy Loss Surveys Using Thermal IR Technology, Lewis E. Link, Jr., ASDC:80:259
Energy Loss Surveys Using Thermal IR Technology, Lewis E. Link, Jr., AS80:Aug 80:123
Port Throughput Study Using Simulation Technique, Alan F. Daniell and Mahendrakumar R. Vora, PO80:May 80:282
Tropical Storm Surge Forecasting in the National Weather Service, Chester P. Jelesnianski, EFHYF: Mar 79:65

Weather Forecasting
BPA Hydrologic Forecasting Considerations and Action During the 1976-77 Drought, William R. Gordon, C. H. Watkins and R. C. Lamb, EFHYF: Mar 79:274
Data Management Using Computers and CRT Displays, Allen F. Flanders, MGC:July 80:343
Great Lakes Storm Surge Flood Forecasting Methods, Keith W. Bedford, Mark D. Prater and Steven Dingman, HYUS:June 80:289
Tropical Storm Surge Forecasting in the National Weather Service, Chester P. Jelesnianski, EFHYF: Mar 79:65

Weathering
Fatigue Tests of 3-yr Weathered A588 Steel Weldment, Pedro Albrecht and Ian M. Friedland, ST5:May 80:991:15415

Weather Maps
Data Management Using Computers and CRT Displays, Allen F. Flanders, MGC:July 80:343

Weather Modification
An Evaluation of a Cloud Seeding Program in Utah, Don A. Griffith, IRKA:July 80:107
Improving Productivity in Hot Weather at Remote Areas, Arthur E. Seleen, EI3:July 80:249:15565
Is Your Weather Being Modified?, Stanley A. Changon, Jr., IR1:Mar 80:37:15253
Managing Snowpack Augmentation Research, Olin H. Foehner, IRKA:July 80:85
Organizations Involved In Weather Modification, Conrad G. Keyes, Jr., IRKA:July 80:97
Weather Modification Operations: The Legal Considerations, Ray Jay Davis, IRKA:July 80:77

Web Beams
Strength of Composite Beams with Web Openings, David M. Todd and Peter B. Cooper, ST2:Feb 80: 431:15179

Webs (Supports)
Composite Beams with Web Openings, Stuart E. Swartz and Krigo S. Eliufoo, TN: ST5:May 80: 1203:15384
Critical Loads for Webs with Holes, Richard G. Redwood and Minoru Uenoya, ST10:Oct 79:2053: 14925
Elastic Deformation of Beams with Web Opening, Brian K. Dougherty, ST1:Jan 80:301:15136
Proposed Specifications for Steel Box Girder Bridges, Roman Wolchuk, ST12:Dec 80:2463:15942
Tests of Beam-to-Column Web Connection Details, Glenn P. Rentschler, Wai F. Chen and George C. Driscoll, Preprint No.80-179, Apr 80, 20pp.
Web Distortion and Flexural-Torsional Buckling, Gregory J. Hancock, Mark A. Bradford and Nicholas S. Trahair, ST7:July 80:1557:15539

Weibull Density Functions
PDF of Wind Pressures on Low-Rise Buildings, Theodore Stathopoulos, ST5:May 80:973:15409
Stochastic Simulation of Wood Load-Sharing Systems, A. Louis DeBonis, ST2:Feb 80:393:15186

Weighing Devices
Weigh-in-Motion System Using Instrumented Bridges, Fred Moses, TE3:May 79:233:14566

Weight
Economic Effect of Heavy Trucks on Highways, C. Michael Walton and Dock Burke, MGC:July 80: 105
Weigh-in-Motion System Using Instrumented Bridges, Fred Moses, TE3:May 79:233:14566

Weighting Functions
Multiobjective Power Plant Siting Methods, Benjamin F. Hobbs, EY2:Oct 80:187:15745
Reciprocal-Distance Estimate of Point Rainfall, John R. Simanton and Herbert B. Osborn, TN: HY7:July 80:1242:15516

Weirs
Hydraulic Design of Flow Distribution Channels, Junn-Ling Chao and R. Rhodes Trussell, EE2:Apr 80:321:15317
Lateral Weir Flow Model, Amruthur S. Ramamurthy and Luis Carballada, IR1:Mar 80:9:15285
Modified Broad-Crested Weirs for Lined Canals, John A. Replogle and Albert J. Clemmens, IRKA: July 80:463
Oxygen Transfer at Hydraulic Structures, Sean T. Avery and Pavel Novak, HY11:Nov 78:1521:14190
Side Weir in Rectangular Channel, Kittur G. Ranga Raju, Baidyanath Prasad and Sushil K. Gupta, HY5:May 79:547:14596
Uniformly Discharging Lateral Weirs, Amruthur S. Ramamurthy, Kanakati Subramanya and Luis Carballada, IR4:Dec 78:399:14252
Weir and Flume Calibration by Pondage Drawdown, F. Allan Johnson and Christopher S. Green, HY11: Nov 80:1903:15847

Welded Joints
Design Rules for Welded and Bolted Beam-to-Column Connections in Non-Sway Frames, J. Witteveen, J. W.B. Stark, F. S.K. Bijlaard and P. Zoetemeijer, Preprint No.80-179, Apr 80, 27pp.
Moment Connections Weakened by Laminations, Bruce D. Macdonald, ST8:Aug 79:1605:14776
Strength of Connection with Buried Discontinuity, Roger L. Brockenbrough, Ronald W. Frost and Geerhard Haaijer, ST11:Nov 80:2185:15800

Welded Pipes
Analysis of Fabricated Tubular Columns, Shouji Toma and Wai F. Chen, ST11:Nov 79:2343:14994
Behavioral Study of Circular Tubular Beam-Columns, Donald R. Sherman, Hacik Erzurumlu and Wendelin H. Mueller, ST6:June 79:1055:14627

Welding
Basics in Failure Analysis of Large Structures, Richard Roberts and Alan W. Pense, CE:May 80:64
Fatigue of Steel Beams with Groove-Welded Flanges, Garry R. Bardell and Geoffrey L. Kulak, ST9:Sept 80:1855:15685
Tests of Beam-to-Column Web Moment Connections, Glenn P. Rentschler, Wai F. Chen and George C. Driscoll, ST5:May 80:1005:15386
Water System Improvement Program in Eugene, Oregon, James H. Brown, TE6:Nov 80:685:15839
Welded Connections in Round Bar Steel Structures, Henning Agerskov and Jorgen Bjornbak-Hansen, ST12:Dec 79:2707:15087
Yield of Circular Weld Joining Elastic Plates, Lawrence E. Goodman and Leon M. Keer, EM1:Feb 80:135:15203

Weldments
Probabilistic Evaluation of Welded Structures, Achintya Haldar, Preprint No.80-540, Oct 80, 14pp.

Welds
Limit Design of Extended End-Plate Connections, Allan P. Mann and Linden J. Morris, ST3:Mar 79:511:14460

Well Construction
Well Construction and Development to Increase Efficiencies, Hal D. Werner, Tom F. Scherer and Evan R. Allred, Preprint No.80-118, Apr 80, 20pp.

Well Performance
Prediction of Non-Darcy Flow in Porous Media, Jan de Vries, IR2:June 79:147:14610

Wells
Air Chambers for Irrigation Systems, George E. Conant and Dorsey E. Jaspar, TE2:Mar 79:141:14451
Aquifers: Finite-Element Linear Programming Model, K. Elango and Gerhard Rouve, HY10:Oct 80:1641:15734
Case Study of a Hazardous Waste Disposal Facility, David E. Murray, EE80:July 80:433
Dual Recharge Well for Water Supply Stabilization, William H. Fleming, Jr. and Gerald E. Speitel, EE80:July 80:257
Remote Sensing Study of Sinkhole Occurrence, Jay W. Casper, Byron E. Ruth and Janet D. Degner, AS80:Aug 80:1
Synthetic Drain Envelope—Soil Interactions, Lyman S. Willardson and Robert E. Walker, IR4:Dec 79:367:15028

Wesley W. Horner Award
Methodology for Calibrating Stormwater Models, Thomas K. Jewell, Thomas J. Nunno and Donald Dean Adrian, EE3:June 78:485:13812
Stormwater Treatment Systems, Mitchell J. Small and Dominic M. DiToro, EE3:June 79:557:14617

West Germany
Construction Management in West Germany, Joachim Dressler, CO4:Dec 80:477:15878

West Virginia
West Virginia Cooling Tower Collapse Caused by Premature Form Removal, Hai S. Lew, CE:Feb 80:62
Willow Island Aftermath: The Limits of OSHA, Allen Morrison, CE:Mar 80:68

Wet Bulb Temperature
Direct Explicit Formulation for Approach to Wet Bulb, John C. Sonnichsen, Jr. and Edward C. Strozyk, EY1:Jan 79:63:14289

Wetlands
Barrier Beach Protection in Massachusetts, Stanley M. Humphries and Jeffrey R. Benoit, CZ80:Nov 80:1809
Coastal Program Evaluation From a State Perspective or Can an Amoeba Find True Happiness Under a Microsocope?, William Travis, CZ80:Nov 80:451
Corps Takes New Approach to Flood Control, Frank Notardonato and Arthur F. Doyle, CE:June 79:65
The East Everglades: Perservation Versus Land Use, Richard Collier, Jr., CZ80:Nov 80:2150
Effects of Dam Construction and Channelization on Deltaic Wetlands, Arthur R. Benton, Jr., ASDC:80:183
Endangered Species Coordination for Los Angeles Harbor, Daniel Muslin and Charles H. Fisher, CZ80:Nov 80:891
Environmental Planning for Transportation Systems, Richard B. Howell and Celia M. Howell, MGC:July 80:208
Evaluating Wetlands: Status and Needs, John J. Balco, CZ80:Nov 80:494
The Evolution of Mitigation in a Highway System, Rodney Edwin Emmer, CZ80:Nov 80:1119
Floodplain Management: New Federal Groundrules, Timothy E. Maywalt, CZ80:Nov 80:1200
Friction Factors in Flooding Due to Hurricanes, Bent A. Christensen and Raymond Walton, HYUS:June 80:265
Geology of Delaware Barriers: Evironmental Planning, Kathleen Drew and John C. Kraft, CZ80:Nov 80:830
Hydrologic Impact of Small Depressional Watersheds, Curtis L. Moore and Larson, IR4:Dec 80:345:15937
Influences on Plans for the Santa Ana River Channel Mouth, Fala Powers, CZ80:Nov 80:1173
Inland Routing of Hurricane Surges in Wetlands, Armando I. Perez, Robert Laura, John D. Wang and Bernard LeMehaute, HYUS:June 80:347
Is There Life Beyond Mitigation?, Robert M. Snyder, CZ80:Nov 80:470
Mapping and Surveying Florida's Submerged Lands, George M. Cole, CZ80:Nov 80:549
Mapping Massachusetts Wetlands, Robert W. Foster, SU1:Nov 80:95:15818
National Wetlands Inventory Project, Bill O. Wilen and Rudolf Nyc, CZ80:Nov 80:1847
The New Jersey Coast: Going, Going, Gone?, Sheldon Abrams and D. W. Bennett, CZ80:Nov 80:1497
Offshore Pipeline Routing: Minimizing Environmental Effects, Ann W. Gowen and Michael J. Goetz, CZ80:Nov 80:667
Perceiving the Unseen Value of Coastal Wetlands, James D. Sears, CZ80:Nov 80:484
A Planning Procedure for the East Everglades, Narendra Juneja, CZ80:Nov 80:1574
Quality in a Florida 1°, 2° and 3° Stream System, Charles M. Courtney, HYUS:June 80:359
Rain Water Management for Low Land Rice Cultivation in India, V. V. Dhruva Narayana, IR1:Mar 79:87:14430
Saving the U.S's Rapidly Dwindling Farmland and Other Priceless Natural Resources, Eugene E. Dallaire, CE:Sept 80:81
Science and Plans: California's Wetlands, Christopher P. Onuf, CZ80:Nov 80:1858

Sitka Coastal Habitat Evaluation, Kimbal A. Sundberg, CZ80:Nov 80:514
Wetlands for Tertiary Treatment of Wastewater, Walter R. Fritz and Steven C. Helle, Preprint No.80-594, Oct 80, 9pp.
Wetlands Regulations and Public Perceptions, Thomas M. Leschine and Stephen R. Cassella, CZ80:Nov 80:1789
Wetlands Reviews — A Califorina Experience, Hugh Converse and Jill Shapiro, CZ80:Nov 80:1829
Wetland Surveying and Mapping, Carvel H. Blair, SU1:Nov 79:23:14953
Will the World Face Up to Its Ever-Worsening Environmental Problems?, Eugene E. Dallaire, CE: Sept 80:67

Wetting Front
Rain Infiltration into Layered Soils: Prediction, Ahmed Y. Hachum and Jose F. Alfaro, IR4:Dec 80:311:15905

Wharves
Bridge Pier Protective Systems, R. T. Mancill, Jr. and K. N. Derucher, PO80:May 80:778
Case Histories of Harbor Developments in Weak Soils, William Enkeboll and Vernon A. Smoots, WW4:Nov 80:429:15832
Design of an LNG Terminal in Canada's High Arctic, Alvin F. McDonald, PO80:May 80:489
Fire Protection on Petroleum Jetty's, O. M. Slye, Jr., PO80:May 80:681
Hydrodynamic Mass at Piers, Wharves and Dolphins, Casimir J. Kray, Preprint No.80-093, Apr 80, 21pp.
New Foundation System for Granite Seawall, Victor V. Calabretta and Peter Sullivan, PO80:May 80:807
New York: Water City, Ann E. Seltz-Petrash, CE: June 79:83
Port Energy Conservation, Carlton H. Joseph, PO80: May 80:89
Recent Design and Construction of Cargo Wharves, Robert R. Adams, MGC:July 80:75
Seismic Design of Seattle Waterfront Facilities, Frank W. Pita, Bradley P. Erickson and Arthur J. O'Brien, Preprint No.80-136, Apr 80, 22pp.
Wharf Design in the Philippines, James Simpson and Estello C. Tumblod, WW4:Nov 79:375:14995

Wheels
General Deformation (Elastic and Inelastic) and Stresses Beneath Plates and Wheels, Richard H. Ledbetter, Preprint No.80-668, Oct 80, 13pp.

White Noise
Discrete Dynamic Model of Watershed Sediment Yield, Tribeni C. Sharma and William T. Dickinson, HY5:May 79:555:14592
Dynamic Response to Nonstationary Nonwhite Excitation, Dario A. Gasparini and Amitabha DebChaudhury, EM6:Dec 80:1233:15900

Width
Amelioration of Roadside Obstacle Crashes, Paul H. Wright and Leon S. Robertson, TE6:Nov 79:609: 14974
Hydraulic Geometry Coefficients of Floodplains, Nani G. Bhowmik, HYCO:Aug 80:86
Sediment-Morphology Relations of Alluvial Channels, Waite R. Osterkamp, IRKB:July 80:188

Wildlife
Atlantic Coast Ecological Inventory, 1980, J. Albert Sherk, Jr. and Larry R. Shanks, CZ80:Nov 80:206
Is There Life Beyond Mitigation?, Robert M. Snyder, CZ80:Nov 80:470
Water Quality and Wildland Resource Management, Alan F. Galbraith, IRKB:July 80:298

Wildlife Conservation
Elkhorn Slough: The Making of an Estuarine Sanctuary, Nona B. Dennis, Bruce Browning and Hal Bissell, CZ80:Nov 80:1939
Endangered Species: Compatibility with a Utility, J. Ross Wilcox, CZ80:Nov 80:179
Environmental Planning for Transportation Systems, Richard B. Howell and Celia M. Howell, MGC:July 80:208
Is There Life Beyond Mitigation?, Robert M. Snyder, CZ80:Nov 80:470
IXTOC I Oil Spill and Atlantic Ridley Turtle Survival, Donald S. Delikat, CZ80:Nov 80:312
Protecting Suisun Marsh — 85,000 Acres of Habitat, William J. Kockelman and Jeffry S. Blanchfield, CZ80:Nov 80:1138
Service-Wide Earthwork — A Software Team Effort, Gordon J. Serpa and Duane W. Chamot, CP80: June 80:357
Sitka Coastal Habitat Evaluation, Kimbal A. Sundberg, CZ80:Nov 80:514

Wildlife Habitats
Coal, Wildlife and Remote Sensing, James R. Getter, ASDC:80:198
Ecological Characterizations—An Evaluation Tool, Jay F. Watson, CZ80:Nov 80:509
Endangered Species: Compatibility with a Utility, J. Ross Wilcox, CZ80:Nov 80:179
Opportunities and Problems in Planning the New Jersey Pinelands and Coastal Zone, John W. Sinton, CZ80:Nov 80:137
A Procedure for Evaluating Program Alternatives, Robert B. McDonald, CZ80:Nov 80:1768
Protecting Suisun Marsh — 85,000 Acres of Habitat, William J. Kockelman and Jeffry S. Blanchfield, CZ80:Nov 80:1138
Riparian Response to Certain Grazing Management, John C. Buckhouse, IRKB:July 80:573
Runoff Curve Numbers form Partial Area Watersheds, Richard H. Hawkins, IR4:Dec 79:375: 15024
Sitka Coastal Habitat Evaluation, Kimbal A. Sundberg, CZ80:Nov 80:514
Watershed Management in Action on the Boise Front, Clifton W. Johnson, Glen M. Secrist, Gerald C. Scholten and Robert J. Baum, IRKB:July 80:998

Wildlife Management
Protecting Suisun Marsh — 85,000 Acres of Habitat, William J. Kockelman and Jeffry S. Blanchfield, CZ80:Nov 80:1138

Wind
Earthquake and Wind Response of a Rehabilitated Multistory Building, Gary C. Hart, Preprint No.80-679, Oct 80, 10pp.
Effects of Correlation on Extreme Wind, Mircea Grigoriu, Preprint No.80-677, Oct 80, 9pp.
Microdroplets and Transport of Moisture from Ocean, Sung C. Ling, Timothy W. Kao and Alice I. Saad, EM6:Dec 80:1327:15923
PDF of Wind Pressures on Low-Rise Buildings, Theodore Stathopoulos, ST5:May 80:973:15409
Predicting Sand Deposition at Porous Fences, Christopher J. Phillips and Brian B. Willetts, WW1: Feb 79:15:14379
Stress Analysis of Bins by Shell Bending Theory, Sukhvarsh Jerath and Arthur P. Boresi, ST6:June 79:1069:14632
Weibull Distributions and Extreme Wind Speeds, Emil Simiu and James J. Filliben, ST12:Dec 80: 2365:15909
Wind and Snow Load Factors for Use in LRFD, Mayasandra K. Ravindra, C. Allin Cornell and Theodore V. Galambos, ST9:Sept 78:1443:14006
Wind Damage Observations and Implications, Joseph E. Minor and Kishor C. Mehta, ST11:Nov 79:2279: 14980
Wind Effects on Cooling-Tower Shells, Hans-Jurgen Niemann, ST3:Mar 80:643:15251

Wind (Meteorology)
Allowable Wind Loads on Wood Construction Stakes, Clayford T. Grimm, CO3:Sept 79:263:14857
Offshore Wind Power Potential, Paul J. Ossenbruggen, Gerard P. Pregent and L. David Meeker, EY1:Jan 79:81:14290

Partial Composite Action in Diaphragms, Rafik Y. Itani and Girish S. Hiremath, EM4:Aug 80:739:15624
Performance Evaluation of Wind Turbines, Robert E. Akins, TE1:Jan 80:19:15133
Pressures on Curtain Wall with External Mullions, Bernard M. Leadon and Michael L. Kownacki, EM4:Aug 79:515:14732
Techniques for Spatial Extrapolation of Wind Data, Loren D. Meeker, Paul J. Ossenbruggen and Gerard P. Pregent, EM2:Apr 80:201:15315
Thermal Predictions using Integral Energy Model, Dennis E. Ford and Heinz G. Stefan, HY1:Jan 80:39:15119
Use of a Scale Model to Improve Pond Circulation, William A. Rozeboom, HYCO:Aug 80:1

Wind Bracing
Skewed Bridges with Intermediate Transverse Bracings, M. Sherif Aggour and M. Shafik Aggour, ST8:Aug 79:1621:14782

Wind Forces
Building Response To Extreme Wind And Tornadoes, James R. McDonald and Kishor C. Mehta, EM81:Jan 81:547
Calculated Examples Of Long-Span Bridge RESPONSE TO WIND, Lawrence Rubin and Robert H. Scanlan, EM81:Jan 81:307
Damping of Frames with Constrained Viscoelastic Layers, Dario A. Gasparini, Amitabha Deb Chaudhury and Lawrence W. Curry, ST1:Jan 80:115:15113
Deterministic Torsional Building Response to Winds, Carlos P. Patrickson and Peretz P. Friedmann, ST12:Dec 79:2621:15084
Dune Erosion and Recovery on a Northern Barrier, John W. Armon, CZ80:Nov 80:1233
Effects of Correlation on Extreme Wind, Mircea Grigoriu, Preprint No.80-677, Oct 80, 9pp.
Identification of Wind Force Spectrum, Stepan S. Simonian and Gary C. Hart, EM81:Jan 81:672
The Kalamazoo: Building Damage In The Center City, James R. McDonald and James J. Abernethy, EM81:Jan 81:567
Performance Evaluation of Wind Turbines, Robert E. Akins, TE1:Jan 80:19:15133
Revised Procedure for Estimating Along-Wind Response, Emil Simiu, ST1:Jan 80:1:15111
Structural Characterization Of Concrete Chimneys, Kalman L. Benuska, Gerald Y. Matsummoto, Everett H. Killam and John G. Diehl, EM81:Jan 81:152
Techniques for Spatial Extrapolation of Wind Data, Loren D. Meeker, Paul J. Ossenbruggen and Gerard P. Pregent, EM2:Apr 80:201:15315
Tornado Wind Effects On The Grand Gulf Cooling Towers, T. Theodore Fujita, EM81:Jan 81:555
Turbulence and Wind-Turbine Performance, A. Craig Hansen, TE6:Nov 80:675:15852
Use of Acceleration Measurements to Determine Wind Forces on Tall Buildings, Peter R. Sparks, Preprint No.80-056, Apr 80, 13pp.
Wind Damage In Hurricane Frederic, Timothy A. Reinhold and Kishor C. Mehta, EM81:Jan 81:532
Wind Damage Observations and Implications, Joseph E. Minor and Kishor C. Mehta, ST11:Nov 79:2279:14980
Windspeed Analysis of 1977 Birmingham Tornado, George E. Ramey and Roy C. Johnson, Jr., ST9:Sept 80:1867:15679

Wind Loads
Allowable Wind Loads on Wood Construction Stakes, Clayford T. Grimm, CO3:Sept 79:263:14857
The Behavior of Steel Rocket Shaped Pile, Peter Y. Lee and Lawrence W. Gilbert, GTDF:80:253
Cooling Towers Using Measured Wind Data, Prodyot K. Basu and Phillip L. Gould, ST3:Mar 80:579:15259
Dynamic Response Of Inflatable Cable-Reinforced Structures Under WIND LOADING, O. G. Vinogradov, David J. Malcolm and Peter G. Glockner, EM81:Jan 81:338
Motion of Suspension Bridges in Turbulent Winds, Y. K. Lin, EM6:Dec 79:921:15044
Northeaster Model and Application to Coastal Flooding, Yun Jui Tsai, D. M. Crocker, T. J. Burda and Fang-Kuo Chou, HYUS:June 80:255
Procedure for Predicting Wind Damage to Buildings, Kishor C. Mehta, James R. McDonald and Douglas A. Smith, Preprint No.80-644, Oct 80, 10pp.
Proposed AISC LRFD Design Criteria, Frank J. Heger, TN: ST3:Mar 80:729:15231
Snow Load Analysis for Structures, Arnfinn Rusten, Ronald L. Sack and Myron Molnau, ST1:Jan 80:11:15102
Wind Damage In Hurricane Frederic, Timothy A. Reinhold and Kishor C. Mehta, EM81:Jan 81:532
Wind Effects on Cooling-Tower Shells, Hans-Jurgen Niemann, ST3:Mar 80:643:15251
Wind Loading And Response Of A High-Rise Building, Russell S. Mills and David Williams, EM81:Jan 81:323
Wind Loading and Response of Cooling Towers, Norman J. Sollenberger, Robert H. Scanlan and David P. Billington, ST3:Mar 80:601:15281
Wind Loading on Cooling Towers, John Armitt, ST3:Mar 80:623:15282

Window Glass
A Review of Window Glass Design Practices, Joseph E. Minor, Preprint No.80-117, Apr 80, 19pp.

Windows
Glass Curtain Wall Elements:Properties and Behavior, Barry J. Goodno, ST6:June 79:1121:14656

Wind Power Generation
Performance Evaluation of Wind Turbines, Robert E. Akins, TE1:Jan 80:19:15133

Wind Pressure
Mean Wind Profiles and Change of Terrain Roughness, Jacques Bietry, Christian Sacre and Emil Simiu, ST10:Oct 78:1585:14099
Microzonation in Wind Engineering, Marshall Lew and Gary C. Hart, ST6:June 79:975:14631
Modeling Three-Dimensional Wind-Induced Flows, Christopher Koutitas and Brian O'Connor, HY11:Nov 80:1843:15836
PDF of Wind Pressures on Low-Rise Buildings, Theodore Stathopoulos, ST5:May 80:973:15409
A Predictive Model of Hurricane Wind-Waves, Rodney J. Sobey and Ian R. Young, HYCO:Aug 80:333
Tornado Data Characterization and Windspeed Risk, Lawrence A. Twisdale, Jr., ST10:Oct 78:1611:14096
Tornado Wind Effects On The Grand Gulf Cooling Towers, T. Theodore Fujita, EM81:Jan 81:555
Turbulence and Wind-Turbine Performance, A. Craig Hansen, TE6:Nov 80:675:15852
Wind-Driven Flow in Mississippi River Impoundment, Heinz G. Stefan and Keith J. Anderson, HY9:Sept 80:1503:15699

Wind Speed
Extreme Wind Speeds at 129 Airport Stations, Emil Simiu, Michael Changery and James J. Filliben, ST4:Apr 80:809:15334
Hurricane Wind Speeds in the United States, Martin E. Batts, Larry R. Russell and Emil Simiu, ST10:Oct 80:2001:15744
Microzonation in Wind Engineering, Marshall Lew and Gary C. Hart, ST6:June 79:975:14631
Sampling Errors in Estimation of Extreme Hurricane Winds, Martin E. Batts, Martin R. Cordes and Emil Simiu, TN: ST10:Oct 80:2111:15726
Wind Damage In Hurricane Frederic, Timothy A. Reinhold and Kishor C. Mehta, EM81:Jan 81:532
Windspeed Analysis of 1977 Birmingham Tornado, George E. Ramey and Roy C. Johnson, Jr., ST9:Sept 80:1867:15679

Wind Tunnel Models
Air Quality Modeling of A Sewage Treatment Plant, Walter G. Hoydysh and Richard P. Barth, EE80: July 80:494

Wind Tunnel Tests
Aerodynamic Response of Long H-Sections, Francis J. Maher and Larry E. Wittig, ST1:Jan 80:183: 15105
Drifting Snow Similitude, James D. Iversen, HY6: June 79:737:14647

Wind Velocity
Prediction of Extreme Wave Heights and Wind Velocities, Liu Teh-fu and Ma Feng-shi, WW4:Nov 80:469:15862
Some Wind Characteristics of Typhoons and Tatsumaki, Hatsuo Ishizaki, Preprint No.80-604, Oct 80, 7pp.
Techniques for Spatial Extrapolation of Wind Data, Loren D. Meeker, Paul J. Ossenbruggen and Gerard P. Pregent, EM2:Apr 80:201:15315

Winter
New Coast Guard Icebreakers for the Fourth Coast, Alan S. Gracewski, CZ80:Nov 80:624
Wintertime Flow Distribution in River Channels, Hung Tao Shen and Norbert L. Ackermann, HY5: May 80:805:15427

Wire Rope
Lay Effect of Wire Rope, George A. Costello and Robert A. Miller, EM4:Aug 79:597:14753
Static Response of Reduced Rotation Rope, George A. Costello and Robert E. Miller, EM4:Aug 80: 623:15612

Wisconsin
Day-to-Day Management of Large Engineering Projects, Frank G. Jenes and Rodney D. Stroope, EI4:Oct 80:327:15735
Municipal Sewage: Three Communities Try to Cope, Allen Morrison, CE:Sept 80:90
The Operational Use of Landsat for Lake Quality Assessment, Frank L. Scarpace and Lawrence T. Fisher, AS80:Aug 80:88
Remote Sensing that Motivated Community Action, Roland H. Brownlee, James P. Scherz and James M. Dennis, AS80:Aug 80:60
River Clean-Up Plan Developed with Citizens and Industry, Harold J. Day, W. Elman, D. Theiler and R. Christianson, CE:Mar 80:78
Waterfront Master Plan for Kenosha, Wisconsin, J. William Allen, Thomas W. Wood and Ian J. McAlister, CZ80:Nov 80:267

Witnesses
Engineers on the Witness Stand: Guidelines for Expert Testimony, John Huston, CE:Feb 79:82

Women
The AccEL Program: Retreading the B.S. Degree, Carol Rubin, EI4:Oct 80:339:15729
Confusion Prevails in Federal Minority Business Efforts, Virginia Fairweather, CE:Sept 79:91
Women Engineers: Here to Stay, Ann E. Seltz-Petrash, CE:May 79:68

Wood
Allowable Wind Loads on Wood Construction Stakes, Clayford T. Grimm, CO3:Sept 79:263:14857
The Impacts of the Resource Conservation and Recovery Act on Wood Fired Energy Systems, Hugh T. Carson and Dennis W. Weeter, EE80:July 80:508

Wooden Piles
Geotechnical Structures, CE:Jan 80:100

Wooden Structures
Failure of Wood Roof Systems Under Snow Load, Keith F. Faherty, Preprint No.80-113, Apr 80, 13pp.
Shear Strength of Wood Beams: A Weibull Analysis, Jen Y. Liu, ST10:Oct 80:2035:15770
Stochastic Simulation of Wood Load-Sharing Systems, A. Louis DeBonis, ST2:Feb 80:393:15186
Timber Bridges: A State-of-the-Art Report, Richard M. Gutkowski and Thomas G. Williamson, Preprint No.80-128, Apr 80, 22pp.
Ultimate Resistance of a Full-Scale Floor System, Anatole Longinow and R. P. Joyce, Preprint No.80-083, Apr 80, 24pp.
Up-Grading of Wood Structures by Use of Improved Mechanical Fasteners, E. George Stern, Preprint No.80-525, Oct 80, 9pp.
Wood Beams Under Impact Load, Borislav D. Zakic, ST7:July 79:1489:14690

Wood Preservatives
Design and Construction of the Greenborough Footbridge, H. R. Carlin-Smith, MGC:July 80:290
Press-Lam Timbers for Exposed Structures, John A. Youngquist, David S. Gromala, Ronald W. Jokerst, Russell C. Moody and John L. Tschernitz, ST7:July 79:1405:14673

Wood Products
Modulus of Elasticity of Timber Members, Robert K. Wen, Bruce F. Henley and Frank J. Hsiu, TN: ST12:Dec 77:2399:13385

Work
Space: A Place to Work, Virginia Fairweather, CE: July 79:48
Virtual Work Adjustment of Trilateration Nets, Naguib F. Danial, SU1:Nov 79:67:14955

Work Accidents
Work Zone Safety, Johnny R. Dahl, HW80:Mar 80: 242

Work Content Comparison
The Trade Contractors' View of Construction Management, Donald S. Barrie, CO4:Dec 79:381: 15081

Work Functions
Recruiting in Underdeveloped Countries, Altaf Hussain, EI4:Oct 79:183:14878
Workers as Managers Boost Productivity, Ann E. Seltz-Petrash, CE:Oct 80:121

Work Hardening
Re-Evaluation of Work Hardening Model, Erman Evgin and Zdenek Eisenstein, Preprint No.80-545, Oct 80, 14pp.

Working Conditions
Conflict on the Job: How to Cope, Virginia Fairweather, CE:Dec 79:71

Workmens Compensation
Minimizing Risks and Mitigating Losses—A, William Cullen, CRLS:Jan 79:II-127
A Quantitative Method for Analyzing the Allocation of Risks in Underground Construction, Raymond E. Levitt, CRLS:Jan 79:II-201

Work Sampling
Work Sampling Programs: Comparative Analysis, H. Randolph Thomas, Jr. and Mason P. Holland, CO4: Dec 80:519:15879

Workspace
Work Zone Safety, Johnny R. Dahl, HW80:Mar 80: 242

Work Trips
Work-Trip Mode-Choice Models for South Africa, Peter R. Stopher and Chester G. Wilmot, TE6:Nov 79:595:14960

World Trade
Urban Transport Issues: A World Bank Approach, Gabriel Roth, MGC:July 80:184

Writing
Journal-Paper Review Statistics, William F. Marcuson, III, Chmn., GT4:Apr 80:341:15369
State of the Journal, Otis J. Sproul, Chmn., EE6:Dec 80:1013:15930

Writing Papers
Journal-Paper Review Statistics, William F. Marcuson, III, Chmn., GT4:Apr 80:341:15369

Wyoming
Gillette-Madison Water Project Optimal Design, William E. West, Glen Taylor and Vance G. Lee, IRKA:July 80:431
Modern Engineering Saves Troubled Dam, James M. Tolle, Peter Simard and Lynn A. Brown, CE:June 79:78
Particle Size Distribution Effects on Turbidity, Thomas Arthur Holstrom and Richard H. Hawkins, IRKB:July 80:283
Sediment Characteristics of the Tongue River Basin, Thomas J. Osborne and Charles B. Andrews, IRKB: July 80:114
Soil Solution Chemistry and Slash Disposal, George E. Hart, Norbert V. DeByle and Robert W. Hennes, IRKB:July 80:318

X Ray Analysis
X-Ray Analysis and Suspended Sediment Source Area, Carlton S. Yee and Annette Parsons, IRKB: July 80:442

X Ray Diffraction
X-Ray Analysis and Suspended Sediment Source Area, Carlton S. Yee and Annette Parsons, IRKB: July 80:442

Yield
Discrete Dynamic Model of Watershed Sediment Yield, Tribeni C. Sharma and William T. Dickinson, HY5:May 79:555:14592
Forage Grass Growth on Overland Flow Systems, Antonio J. Palazzo, C. James Martel and Thomas F. Jenkins, EE80:July 80:347

Yield Line Method
Structural Response of R/C Slabs to Tornado Missiles, Peter M. McMahon, Subir K. Sen, Bernard L. Meyers and Kenneth P. Buchert, ST3: Mar 79:547:14443

Yield Strength
Compaction of Dry or Fluid-Filled Porous Materials, Michael M. Carroll, EM5:Oct 80:969:15773
Variability of Mechanical Properties of Reinforcing Bars, Sher Ali Mirza and James G. MacGregor, ST5:May 79:921:14590
Yielding Load of Anchor in Sand, Miam Chang Wang and Arthur H. Wu, Preprint No.80-618, Oct 80, 14pp.

Zoning
Applicability of Joint Development Tools in Detroit, Kenneth S. Opiela, Snehamay Khasnabis and Ronald G. Arbogast, UP1:Nov 80:71:15861
Calgary's Computer Mapping & Geographic Referencing, R. G. Conway and E. Bert Piepgrass, SU80:June 80:59
Determining Future Needs through Fiscal Analysis, Paul S. Tischler, SU80:June 80:78
Development of Expectancy Maps and Risk Analysis, Neville C. Donovan, Bruce A. Bolt and Robert V. Whitman, ST8:Aug 78:1179:13972
Legal Aspects of Coastal Natural Hazards Management, Richard G. Hildreth, CZ80:Nov 80: 1370
Managing Shore Development in British Columbia, W. Bruce Morgan and Jonathan P. Secter, CZ80: Nov 80:715
Microzonation in Wind Engineering, Marshall Lew and Gary C. Hart, ST6:June 79:975:14631
Response to a Changing Coastal Environment, Kenneth C. Caldwell, CZ80:Nov 80:1228
Seismic Zonation in the San Francisco Bay Region, Earl E. Brabb, C080:80:54
Solar Access and Sun Rights, David C. Moore, UP1: Nov 80:11:15822
Two Approaches to Coastal Area Planning in Japan, Harvey A. Shapiro, CZ80:Nov 80:741
Zone Scheduling of Urban Bus Routes, Mark A. Turnquist, TE1:Jan 79:1:14288

1980 NAME INDEX

Abdel-Ghaffar, Ahmed M.
Ambient Vibration Tests of Suspension Bridge, with George W. Housner, EM5:Oct 78:983:14065
Dsc: Robert H. Scanlan, EM3:June 79:496:14598
Clo: EM2:Apr 80:419:15298
TR:145:78
Analysis of Earth Dam Response to Earthquakes, with Ronald F. Scott, GT12:Dec 79:1379:15033
TR:145:593
Dynamic Longitudinal Response Of An Earth Dam, EM81:Jan 81:174
Free Torsional Vibrations of Suspension Bridges, ST4:Apr 79:767:14535
Dsc: Hassan I.A. Hegab, ST2:Feb 80:576:15162; Daniel Dicker, ST3:Mar 80:742:15227
TR:145:257
Shear Moduli and Damping Factors of Earth Dam, with Ronald F. Scott, GT12:Dec 79:1405:15034
TR:145:594
Suspension Bridge Vibration: Continuum Formulation, Preprint No.80-018, Apr 80, 22pp.
Vertical Vibration Analysis of Suspension Bridges, ST10:Oct 80:2053:15759

Abdel-Rohman, Mohamed
Active Control of Flexible Structures, with Horst H. Leipholz, ST8:Aug 78:1251:13964
Errata: ST11:Nov 79:2473:14936
TR:145:72
Automatic Active Control of Structures, with Horst H. Leipholz, ST3:Mar 80:663:15260
TR:145:614
General Approach to Active Structural Control, with Horst H. Leipholz, EM6:Dec 79:1007:15047
TR:145:482
Optimal Control of Civil Engineering Structures, with Victor H. Quintana and Horst H. Leipholz, EM1: Feb 80:57:15192
TR:145:522

Abdel-Sayed, George
See Murray C. Temple, ST7:July 79:1435:14676

Abdul Khader, M. H.
See Salem D. Ramaswamy, GT8:Aug 79:957:14787

Abdul-Shafi, Abdul K.
Solutions Using Conjugate Elements, TN: ST11:Nov 80:2339:15792

Abdun-Nur, E. A.
Dsc, CE:July 80:30, on Solar Energy for Heating Homes: How Practical?, CE:Feb 80:38

Abe, Nobuhara
See Tamotsu Matsui, GT2:Feb 80:137:15221

Abecasis, Fernando
Don't Always Put Dam in Narrowest Part of Valley, CE:June 80:93
TR:145:725

Abegg, Martin G.
Sims is New ASCE President-Elect; Nine Other National Offices Filled, CE:Oct 80:144

Abel, John F.
See Ernest T. Selig, CE:Mar 79:68
See M. Gattass, EM81:Jan 81:502

Abernethy, James J.
See James R. McDonald, EM81:Jan 81:567

Aboul-Ella, Fakhry
Dynamic Response of Pile-Supported Frame Foundations, with Milos Novak, EM6:Dec 80:1215: 15895
See Milos Novak, EM3:June 78:643:13847

Abou-Sayed, Ahmed S.
See Shoji E. Yamada, GT2:Feb 79:183:14384

Abraham, Gerrit
Dsc, with Adriaan G. van Os, HY1:Jan 79:116: 14270, of "Vertical Mixing in Stratified Tidal Flows", HY3:Mar 78:337:13599

Abrahams, Michael J.
Dsc, ST1:Jan 80:374:15098, of "Statistical Descriptions of Strength of Concrete", ST6:June 79:1021:14628

Abrams, Sheldon
The New Jersey Coast: Going, Going, Gone?, with D. W. Bennett, CZ80:Nov 80:1497

Ackerman, Adolph J.
Responding to the Challenges of Engineering Practice, EI2:Apr 80:137:15374
TR:145:588

Ackerman, William C.
State-Federal Relations Under the Surface Mining Control and Reclamation Act of 1977, Preprint No.80-059, Apr 80, 18pp.

Ackermann, Norbert L.
See Hung Tao Shen, HY5:May 80:805:15427

Ackley, Richard E.
Load Tests on Piles Driven into Cretaceous Sand, with Richard L. Sanders, GTDF:80:1

Ackroyd, Michael H.
Behavior of Type 2 Steel Frames, with Kurt H. Gerstle, Preprint No.80-179, Apr 80, 30pp.

Adam, David P.
Environmental Information From Sediments, EFHYF:Mar 79:206

Adamowski, Kazimierz
See Campbell D. MacInnes, EE6:Dec 78:1275:14251

Adams, Barry J.
Water Quality Evaluation of Regional Wastewater Management, with Robert S. Gemmell, EE2:Apr 80:437:15362
TR:145:707

Adams, E. Eric
Transient Analysis for Shallow Cooling Ponds, with Antonis D. Koussis, EY2:Oct 80:141:15737
Dsc, HY5:May 80:940:15379, of "Buoyant Jet Discharges into Finite Ambient Waters", HY5:May 79:14586
Dsc, WW4:Nov 80:502:15789, of "Mixing of Buoyant Surface Jet over Sloping Bottom", WW4: Nov 79:357:14954

Adams, James W. R.
Dade County Beach Erosion Control and Hurricane Protection Project, Preprint No.80-600, Oct 80, 11pp.

Adams, John
Gravel Size Analysis from Photographs, HY10:Oct 79:1247:14908
Dsc: Chesley J. Posey, HY8:Aug 80:1412:15585
TR:145:466

Adams, Michael L.
The CEIP: An Ohio Perspective, CZ80:Nov 80:612

Adams, Robert R.
Recent Design and Construction of Cargo Wharves, MGC:July 80:75

Adamus, Paul R.
Issues in Mapping Atlantic Coastal Ecological Data, with Thomas E. Bigford and James R. Hynson, CZ80:Nov 80:160

Adegoke, Clement W.
See Ching S. Chang, GT11:Nov 80:1201:15819

Adrian, Donald Dean
See Thomas K. Jewell, EE3:June 78:485:13812
See C. James Martel, EE80:July 80:114

Agarwal, Manharan L.
See Pramod K. Pande, HY1:Jan 80:191:15151

Agarwal, Vidhan C.
Dsc, with Kittur G. Ranga Raju and Ramachandra J. Garde, HY10:Oct 80:1699:15721, of "Estimating Average Velocity in Gravel-Bed Rivers", HY9:Sept 79:1103:14810

Agent, K. R.
Bicycle/Motor Vehicle Accidents in Kentucky, with C. V. Zegeer and Robert C. Deen, TE3:May 80: 283:15413
TR:145:651

Agerskov, Henning
Analysis of Bolted Connections Subject to Prying, ST11:Nov 77:2145:13352
Dsc: Jean-Pierre Muzeau, ST9:Sept 78:1545: 13981; Jeffrey A. Packer and Linden J. Morris, ST9:Sept 78:1546:13981; Natarajan Krishnamurthy, ST12:Dec 78:1928:14197
Clo: ST9:Sept 79:1851:14795
TR:145:25
Welded Connections in Round Bar Steel Structures, with Jorgen Bjornbak-Hansen, ST12:Dec 79:2707: 15087
Errata: ST11:Nov 80:2357:15785
TR:145:512

Aggour, M. S.
Computer Applications in Geotechnical Engineering, CP80:June 80:213

Aggour, M. Shafik
See M. Sherif Aggour, ST8:Aug 79:1621:14782

Aggour, M. Sherif
Skewed Bridges with Intermediate Transverse Bracings, with M. Shafik Aggour, ST8:Aug 79:1621: 14782
TR:145:377
See J. C. S. Yang, EM81:Jan 81:819

Aguado, Eduardo
Ground-Water Management with Fixed Charges, with Irwin Remson, WR2:July 80:375:15521

Aguirre, Vukoslav E.
Dsc, GT4:Apr 78:517:13645, of "Progress in Marine Geotechnical Engineering", GT10:Oct 77:1097: 13301

Ahern, William R.
Energy Facilities and the California Coast, CZ80:Nov 80:379

Ahmad, Shahnawaz
Planning, Design, Construction and Operation of a Reclaimed Water System, with James C. Lundie, EE80:July 80:122

Ahmadi, Reza M.
See Nallamuthu Rajaratnam, HY5:May 79:573:14591

Ahmed, Habid U.
Quasilinear Integration of Elasto-Plastic Shells, with John W. Leonard, EM1:Feb 79:91:14371
TR:145:169

Ahmed, Nazeer
Dsc, IR2:June 80:159:15445, of "Prediction of Non-Darcy Flow in Porous Media", IR2:June 79:147: 14610

Ahmed, Samir A.
Time Series Models for Freeway Incident Detection, with Allen R. Cook, TE6:Nov 80:731:15805

Ahmed, Syed
Influence of Soil-Pipe Interaction on Pipeline Design, with Ralph W. McMickle and Carl L. Brassow, Preprint No.80-050, Apr 80, 23pp.

Ahuja, Lajpat R.
See James W. Naney, IRKB:July 80:731

Airan, Damodar S.
Hospital Solid Waste Management: A Case Study, with John H. Bell, Lalita D. Airan and Daniel T. McMurray, EE4:Aug 80:741:15613
Soil and Vegetation Covers for Reducing Leachates from Landfills, with George H. Snyder and David Strasberg, Preprint No.80-652, Oct 80, 13pp.
See Frederick W. Morris, IV, Preprint No.80-649, Oct 80, 10pp.

Airan, Lalita D.
See Damodar S. Airan, EE4:Aug 80:741:15613

Aki, Tsuneo
See Boyd C. Paulson, Jr., CO3:Sept 80:281:15670

Akinmusuru, Joe O.
Interaction of Piles and Cap in Piled Footings, TN: GT11:Nov 80:1263:15790
Dsc, GT9:Sept 78:1213:13978, of "Soil Restraint Against Horizontal Motion of Pipes", GT10:Oct 77:1119:13303
Dsc, TN: GT5:May 79:702:14549, of "Embedment Anchors Subjected to Repeated Loading", TN: GT7:July 78:1033:13867
Dsc, GT6:June 80:743:15443, of "Uplift and Bearing Capacity of Short Piers in Sand", GT5:May 79:579: 14568

Akins, Robert E.
Performance Evaluation of Wind Turbines, TE1:Jan 80:19:15133
TR:145:514

Akky, M. Radwan
See Robert G. Bea, ST2:Feb 79:377:14386
See Robert G. Bea, CE:Oct 80:146

Alarie, Raymond L.
Simulation Modeling of Primary Clarifiers, with Edward A. McBean and Grahame J. Farquhar, EE2:Apr 80:293:15312

Dsc: Richard F. Barror and Edward D. Schroeder, EE6:Dec 80:1209:15864; T. H. Y. Tebbutt, EE6:Dec 80:1211:15864
TR:145:666

Albrecht, Pedro
Fatigue-Limit Effect on Variable-Amplitude Fatigue of Stiffeners, with Ian M. Friedland, ST12:Dec 79: 2657:15095
Errata: IR4:Dec 80:382:15867
TR:145:520
Fatigue Tests of 3-yr Weathered A588 Steel Weldment, with Ian M. Friedland, ST5:May 80: 991:15415
TR:145:655

Al-Dabbagh, Adam
Meridional Imperfection in Cooling Tower, with Ajaya K. Gupta, ST6:June 79:1089:14636
Dsc: James G.A. Croll, ST3:Mar 80:744:15227; Krishnaiyengar Rajagopalan, ST6:June 80:1386: 15446
Clo: ST12:Dec 80:2568:15868
TR:145:301
Parametric Study on Containment Liner-Anchor System, with Ajaya K. Gupta, EY2:Aug 79:169: 14737
TR:145:277

Aldon, Earl F.
Establishing Cool-Season Grasses on Mine Spoils, with David G. Scholl and Charles P. Pase, IRKB: July 80:91

Alfaro, Jose F.
See Ahmed Y. Hachum, IR4:Dec 80:311:15905

Algazi, V. Ralph
See Vincent V. Salomonson, EFHYF:Mar 79:125

Ali, Elfatih M.
Stochastic Model of Flow Through Stratified Soils, with Tien H. Wu and Nien Y. Chang, GT6:June 80:593:15487
TR:145:723
See Tien H. Wu, GT7:July 78:889:13891

Al-Khafaji, Abdul-Amir W.N.
See Orlando B. Andersland, GT7:July 80:749:15546

Alldredge, William S.
Allocation of Risks — A, CRLS:Jan 79:I-39

Alleman, James E.
Extended Aeration Treatment at Maryland State Parks, with Joanne S. Colt, EE80:July 80:175
See Laurence J. Sauter, Jr., EE80:July 80:296

Allen, Curtis R.
Dsc, CE:July 79:31, on Construction Risk: Who Pays?, CE:Apr 79:64

Allen, David
Dsc, ST2:Feb 78:370:13508, of "Erection Strength Adequacy of Long Truss Cantilevers", ST1:Jan 77: 225:12698
Dsc, ST2:Feb 79:462:14356, of "Eccentrically Braced Steel Frames for Earthquakes", ST3:Mar 78:391: 13619
Dsc, ST2:Feb 79:463:14356, of "Unbraced Length Requirements for Steel I-Beams", ST3:Mar 78:479: 13634

Allen, Gary R.
Dsc, UT79A:July 79:257, of "Problems and Options in Financing Urban Transportation", UT79A:July 79:220

Allen, H. Cecil
Development of an Individual Within a Matrix Organization, Preprint No.80-650, Oct 80, 11pp.

Allen, J. William
Waterfront Master Plan for Kenosha, Wisconsin, with Thomas W. Wood and Ian J. McAlister, CZ80:Nov 80:267

Allen, John
See Peter R. Wormleaton, HY5:May 80:942:15379
See Peter R. Wormleaton, HY9:Sept 80:1554:15663

Allen, John H.
See Umesh Dayal, GT8:Aug 80:919:15657

Allen, N. Foster
Fluid Wave Propagation in Saturated and Nearly Saturated Sand, with Frank E. Richart, Jr. and Richard D. Woods, GT3:Mar 80:235:15286
TR:145:676
See D. K. Shukla, Preprint No.80-168, Apr 80, 19pp.

Allen, Richard G.
See Charles E. Brockway, WR1:Mar 80:255:15277

Allen, Robert F.
Steady Solution for River Flow, TN: HY4:Apr 80: 608:15305

Alley, William M.
Parametric-Deterministic Urban Watershed Model, with David R. Dawdy and John C. Schaake, Jr., HY5:May 80:679:15392
TR:145:658
A Simple Lumped-Parameter Runoff-Quality Model, HYUS:June 80:236

Allison, Richard C.
See David L. Kelley, EE6:Dec 79:1105:15031

Allred, C. Stephen
Dam Safety in Idaho, with Norman C. Young, Preprint No.80-152, Apr 80, 9pp.

Allred, Evan R.
See Hal D. Werner, Preprint No.80-118, Apr 80, 20pp.

Almeida, A. B.
Dsc, with J. Hipolito, HY10:Oct 79:1324:14868, of "Design Charts for Air Chamber on Pump Pipe Lines", HY9:Sept 78:1289:14024

Almquist, Charles W.
Staged Multiport Diffusers, with Keith D. Stolzenbach, HY2:Feb 80:285:15185
Dsc: Dominique N. Brocard, HY10:Oct 80:1723: 15721
TR:145:579
Dsc, with Edward R. Holley, HY7:July 80:1262: 15512, of "Experiments in Longitudinal Dispersion with Dead Zones", HY8:Aug 79:999:14790

Alonso, Carlos V.
See Colin R. Thorne, HY7:July 80:1269:15512

Alpaugh, Richard T.
Overview of DOE Programs for Energy Efficiency in Transportation, with James S. Moore, MGC:July 80:148

Alpern, Milton
Dsc, EI4:Oct 79:241:14865, of "Examinations for Registration", EI4:Oct 78:257:14076

Al-Shaikh-Ali, Khalid S.
See Daryl B. Simons, HY5:May 79:477:14576

Alter, Amos J.
See Lloyd K. Clark, Preprint No.80-172, Apr 80, 16pp.

Alterman, Israel
Dsc, with Josef Rom and Josef Shwartz, GT12:Dec 78:1536:14194, of "Future Advances in Soil Placement and Improvement", GT1:Jan 78:1:13469

Altinbilek, Hilmi Dogan
Localized Scour Below Submerged Vertical Gates, with Yakup Basmaci, HYCO:Aug 80:39

Altschaeffl, Adolph G.
See Ignacio Garcia-Bengochea, GT7:July 79:839:14686
See James C. Scott, GT11:Nov 79:1273:14987

Alvarez, Desi
See Otto J. Helweg, IR3:Sept 80:175:15712

Alvarez, Maria C.
See Alexander Coull, TN: ST12:Dec 80:2553:15874

Aly, Ahmed A.
See Donald E. Grierson, EM4:Aug 80:585:15606

Alzaydi, Ayad A.
See Charles A. Moore, GT2:Feb 79:131:14372

Amandes, Christopher B.
Effects of Subsidence on Stream Hydraulics, HYUS: June 80:414
Stormwater Detention in Developing Watersheds, with Philip B. Bedient, EE2:Apr 80:403:15335
TR:145:688

Amar, Jack J.
See Wendell R. Vines, GTDF:80:475

Amato, Roger V.
See Orville R. Russell, TE2:Mar 79:185:14467

Ames, Marshall A.
PCM Team Member Liability, with Mark H. Jordan, Preprint No.80-174, Apr 80, 11pp.

Amin, Magdy I.
See Peter J. Murphy, HY5:May 79:489:14577

Amir, Joram M.
Analog Model for Piles in Expansive Clay, with M. S. Sokolov, SLS:June 80:582

Amirthurajah, Appiah
Optimum Backwashing of Sand Filters, EE5:Oct 78:917:14078
Dsc: Henry L. Thackwell, EE5:Oct 79:1021:14864
Clo: EE4:Aug 80:859:15582
TR:145:129
Dsc, EE2:Apr 79:59:14468, of "Effectiveness of Backwashing for Wastewater Filters", EE4:Aug 78:749:13967

Amisial, Roger A.
Session III—Meteorology and Hydrology, EFHYF: Mar 79:419

Amorocho, Jaime
Computer Controlled Physical Model of the Sacramento River, with William J. Hartman and Johannes J. DeVries, HYCO:Aug 80:451
See Johannes J. DeVries, HYCO:Aug 80:463
See Johannes J. DeVries, WW3:Aug 80:319:15608

Amphlett, Michael B.
Dsc, HY10:Oct 79:1328:14868, of "Vortex Formation at Vertical Pipe Intakes", HY10:Oct 78:1429:14104

Amron, Irving
Amron Retires, CE:Nov 80:71

Anagnostopoulos, Stavros A.
Post-Yield Flexural Properties of Tubular Members, ST9:Sept 79:1757:14821
Errata: ST9:Sept 80:1999:15665
TR:145:391

Anand, Subhash C.
Constitutive Relations and Solution Schemes in Plastic Analysis, EM1:Feb 80:21:15188
TR:145:508
A Finite Element Model for Composite Masonry, with David T. Young, Preprint No.80-526, Oct 80, 16pp.
Dsc, ST9:Sept 80:1996:15665, of "Differential Movement in Composite Load-Bearing Masonry Walls", ST7:July 79:1277:14666

Andersen, Jay C.
See John E. Keith, WR1:Mar 79:161:14416

Andersen, Knut H.
Cyclic and Static Laboratory Tests on Drammen Clay, with Jacobus H. Pool, Stephen F. Brown and Wim F. Rosenbrand, GT5:May 80:499:15434
TR:145:720

Andersen, V. Mandrup
Undular Hydraulic Jump, TN: HY8:Aug 78:1185:13916
Dsc: J. Sergio Montes, TN: HY9:Sept 79:1208:14793
Clo: TN: HY7:July 80:1252:15512

Andersland, Orlando B.
Organic Material and Soil Compressibility, with Abdul-Amir W.N. Al-Khafaji, GT7:July 80:749:15546
See Wayne A. Charlie, EE5:Oct 79:947:14884

Anderson, Clayton L.
Prototype Spillway Performance Verification, with Fred W. Blaisdell, HY6:June 79:707:14639
TR:145:345
See Fred W. Blaisdell, HY7:July 79:817:14688

Anderson, David
See M. Anwarul Islam, TN: ST6:June 80:1367:15451

Anderson, Donald R.
The Effects of Inflation on Maintenance Work, Preprint No.80-138, Apr 80, 11pp.

Anderson, Erik D.
See James R. Clifton, ST10:Oct 79:1935:14911

Anderson, Howard L.
Safety Challenge for the Future, HW80:Mar 80:264

Anderson, James C.
Microcomputer Analysis and Design of R/C Structures, with Farzad Naeem, Preprint No.80-622, Oct 80, 14pp.

Anderson, John A.
Bending Strength of Curved Glued Laminated Timber, with L. G. Booth, ST6:June 79:1167:14645
TR:145:302

Anderson, Keith E.
See Jack E. Kelly, Preprint No.80-157, Apr 80, 8pp.

Anderson, Keith J.
See Heinz G. Stefan, HY9:Sept 80:1503:15699

Anderson, Leif G.
Anchorage's Response to the 1977 Clean Air Act Amendments, with A. Reed Gibby, CAAA:Nov 79: 20

Anderson, Mark C.
Control of Trihalomethanes Using Powdered Carbon, with R. C. Butler, B. H. Kornegay and W. D. Pfoutz, EE80:July 80:378

Anderson, Roger G.
Low-Investment Access to LANDSAT Digital Analysis, with Elaine I. Marinello, CP80:June 80:37

Anderson, Roy W.
Meaningful Highway Accident Data—A Commitment is Needed, HW80:Mar 80:12

Anderson, Susan H.
Boating: Challenged by Coastal Regulations, CZ80: Nov 80:104

Anderson, Thomas L.
Lifeline Engineering Approach to Seismic Qualification, with Douglas J. Nyman, TC1:Apr 79: 149:14531
TR:145:245
LNG Terminal Design for California, with Robert E. Bachman, Preprint No.80-021, Apr 80, 21pp.

Andrawes, Kamal Z.
Tension Resistant Inclusions in Soils, with Alan McGown, Mohsen M. Mashhour and Ragui F. Wilson-Fahmy, GT12:Dec 80:1313:15928

Andreadis, Andreas
Embedment Anchors Subjected to Repeated Loading, with Roger C. Harvey and Eldon Burley, TN: GT7: July 78:1033:13867
Dsc: Joe O. Akinmusuru, TN: GT5:May 79:702: 14549
Clo: TN: GT2:Feb 80:214:15160
See Roger C. Harvey, GT5:May 80:577:15378

Andrei, Silvan
Prediction of Expansive Clay Behaviour, with Corneliu Athanasiu and Sanda Manea, SLS:June 80:76

Andrews, Charles B.
See Thomas J. Osborne, IRKB:July 80:114

Andrews, Graham F.
New Approach to Bacterial Kinetics in Wastewater, with Chi Tien, EE6:Dec 77:1057:13418
Dsc: Michael K. Stenstrom and John F. Andrews, EE6:Dec 78:1308:14192
Clo: EE6:Dec 79:1179:15006
TR:145:16

Andrews, John F.
See Michael K. Stenstrom, EE6:Dec 78:1308:14192
See Michael K. Stenstrom, EE2:Apr 79:245:14521
See Michael K. Stenstrom, EE4:Aug 80:787:15627

Ancja, Ish K.
See Ronald L. Bannister, Preprint No.80-020, Apr 80, 20pp.

Aneke, C. N.
See Roger Foott, GT3:Mar 80:219:15288

Ang, A. H-S.
Consideration of Seismic Hazards in Lifeline Design, C080:80:215

Angell, Gustave J.
Dsc, CE:Apr 79:38, on Seepage Cutoff Wall Installed Through Dam is Construction First, CE:Jan 79:62

Ansal, Atilla M.
Viscoplasticity of Normally Consolidated Clays, with Zdenek P. Bazant and Raymond J. Krizek, GT4: Apr 79:519:14546
TR:145:369
See Zdenek P. Bazant, EM4:Aug 79:549:14738

Anspach, Gene
Floating Terminal for Storage and Sendout of LNG, with Robert Baseler and Rolf Glasfeld, PO80:May 80:296

Anton, Walter F.
Seismic Design of Pumping Plants, Preprint No.80-096, Apr 80, 22pp.
Water Lifeline EQ Engineering Practiced by Ebmud, C080:80:125

Antoniano, Jaime
See Daniele Veneziano, GT2:Feb 79:165:14378

Antonino, Ronald A.
Earth-Filled Slurry Walls Provide Economical Seepage Control, CE:Apr 80:72
TR:145:664

Antsyferov, Sergei M.
Sediments Suspended in Stream Flow, with Ruben D. Kos'yan, HY2:Feb 80:313:15216
TR:145:596

Antunes, Fred
See Gary Fain, Preprint No.80-651, Oct 80, 15pp.

Anwar, Habib O.
Turbulence Measurements in Simulated Tidal Flow, with Roy Atkins, HY8:Aug 80:1273:15609

Aoshima, Naojiro
Weighting of Factors in Environmental Evluation, with Shogo Kawakami, UP2:Nov 79:119:14952
TR:145:736

Appa Rao, Tamirisa V.S.R.
Dsc, with Nagesh R. Iyer, ST10:Oct 80:2122:15722, of "Brace Forces in Interbraced Column Structures", ST7:July 79:1543:14698

Appleton, Joseph H.
Concrete Slabs and Concentrated Loads, Preprint No.80-124, Apr 80, 12pp.

Arbogast, Ronald G.
Optimizing Joint Development at Transit Stations, with Snehamay Khasnabis and Kenneth S. Opiela, TE5:Sept 80:539:15709
See Kenneth S. Opiela, UP1:Nov 80:71:15861

Arceivala, Sorab J.
Dsc, EE1:Feb 80:250:15158, of "Design Criteria for Aerobic Aerated Lagoons", EE1:Feb 79:135:14392

Argaman, Yerachmiel
Dsc, EE4:Aug 79:792:14270, of "Kinetic Model for Flocculation with Polymers", EE4:Aug 78:767: 13950

Argo, Dave G.
See Martin Reinhard, EE4:Aug 79:675:14760

Argue, Clifford T.
Airports of Micronesia - Airline Considerations, MGC:July 80:34

Armbruster, Jeffrey T.
See Cheng-lung Chen, HY5:May 80:747:15395

Armitt, John
Wind Loading on Cooling Towers, ST3:Mar 80:623:15282
TR:145:609

Armon, John W.
Dune Erosion and Recovery on a Northern Barrier, CZ80:Nov 80:1233

Armstrong, Ellis L.
Dsc, WR1:Mar 80:367:15228, of "Water Resources Planning — Historical Development", WR1:Mar 79:9:14410

Armstrong, J. Clyde
See Thomas M. Petry, SLS:June 80:172

Armstrong, J. M.
See D. B. Robbins, CZ80:Nov 80:236

Arnold, Jon A.
Regional Water Programs in North Carolina, EE2:Apr 79:183:14524
TR:145:294

Arntzen, Donald M.
Airfield Pavement Demonstration-Validation Study, with Ernest J. Barenberg and Robert J. Krause, TE6:Nov 80:721:15813

Aron, Gert
See David F. Kibler, TC1:Aug 80:1:15600

Aroni, Samuel
Observations on Mortar Lining of Steel Pipelines, with G. Louis Fletcher, TE6:Nov 79:667:14966
TR:145:441

Aronson, David A.
Use of Highly-Treated Wastewater to Recharge the Ground-Water Reservoir in Nassau County, Long Island, New York, EE80:July 80:214

Aronson, Gerald L.
See William C. Pisano, EE1:Feb 80:55:15167

Aronson, Jonathan David
Public and Private Regulation of LNG Transport, with William Westermeyer, CZ80:Nov 80:589

Arora, Jasbir S.
Efficient Constraint Treatment in Structural Optimization, with Edward J. Haug and S. D. Rajan, Preprint No.80-501, Oct 80, 13pp.

Arora, Madan L.
Judiciously Planned Bench Scale Studies are Extremely Valuable in AWT Process Selection, with Margaret J. Bliss and Ken M. Trompeter, EE80:July 80:100

Arthur, C. Philip
Analysis of Nonattainment Area Plan for TSP, CAAA:Nov 79:206

Arthur, Donald E.
Planning, Analysis, Design and Construction of Two Offshore Trestles Supporting Seven Pipelines and Electrical Cable Trays, with Syed I. Husain, Preprint No.80-568, Oct 80, 14pp.

Arthur, J. Robin F.
Principal Stress Rotation: A Missing Parameter, with Ken S. Chua, Treve Dunstan and Juan I. Rodriguez del C., GT4:Apr 80:419:15375
TR:145:709

Arulanandan, Kandiah
See Aloysius Kweku Castel, TN: GT4:Apr 79:563:14476

Arunachalam, Vellore M.
Dsc, with Harihara Raman, HY9:Sept 80:1549:15663, of "Unconditional Stability in Convection Computations", HY9:Sept 79:1079:14807

Aruncachalam, Arunachalam M.
Dsc, with Harihara Raman, WW2:May 80:296:15382, of "Design Criteria for Floating Tire Breakwaters", WW2:May 79:149:14570

Arya, Anand S.
See Ashok K. Jain, ST11:Nov 80:2355:15785

Aschl, Helmut
See Kurt Berlin Gerstle, EM6:Dec 80:1383:15945

Ashley, David B.
Construction Joint Ventures, CO3:Sept 80:267:15698
Coordinated Insurance for Major Construction Projects, CO3:Sept 80:307:15697
Simulation of Repetitive-Unit Construction, CO2:June 80:185:15495
TR:145:698
See Raymond E. Levitt, CO3:Sept 80:297:15710

Ashley, Gary
See Edward A. McBean, EY2:Oct 80:165:15732

Ashton, W. Bradford
See Jimmie Hinze, CO3:Sept 79:225:14816

Askren, David R.
Simulated Circulation and Sedimentation in Marinas, Preprint No.80-107, Apr 80, 10pp.

Aslam, Mohammad
Earthquake Rocking Response of Rigid Bodies, with William G. Godden and D. Theodore Scalise, ST2:Feb 80:377:15182
Dsc: Jethro W. Meek, ST11:Nov 80:2360:15785
TR:145:581
Earthquake Sloshing in Annular and Cylindrical Tanks, with William G. Godden and D. Theodore Scalise, EM3:June 79:371:14643
Dsc: Daniel D. Kana, EM3:June 80:577:15442
Clo: EM6:Dec 80:1443:15865
TR:145:276

Aswad, Alex
Dsc, ST10:Oct 78:1693:14048, of "Prestressed Concrete Design by Linear Programming", ST3:Mar 78:439:13612
Dsc, TN: ST12:Dec 80:2582:15868, of "Biaxial Bending Simplified", TN: ST5:May 80:1198:15384

Atalik, T. Selcuk
Seismic Shear Stresses in Buried Beams, TN: ST6:June 80:1361:15451

Athanasiou-Grivas, Dimitri
Particle Contacts in Discrete Materials, with Milton E. Harr, TN: GT5:May 80:559:15432

Athanasiu, Corneliu
See Silvan Andrei, SLS:June 80:76

Athayde, Dennis N.
See George K. Young, WR2:Sept 79:353:14854

Atkins, Dennis R.
Data Base Development at Maryland DOT, CP80:June 80:363

Atkins, Roy
See Habib O. Anwar, HY8:Aug 80:1273:15609

Atkinson, James A.
Tugs as Aids to the Safety of Tankers and Ports, PO80:May 80:584

Atmatzidis, Dimitrios K.
Granular Media Filtration of Dredging Effluents, with Joseph A. FitzPatrick and Raymond J. Krizek, WW1:Feb 79:33:14342
TR:145:237

Atrek, Erdal
Nonlinear Analysis of Cold-Formed Steel Shear Diaphragms, with Arthur H. Nilson, ST3:Mar 80: 693:15257
Dsc: J. Michael Davies, ST12:Dec 80:2578:15868
TR:145:612

Au, Peter
See Alfred G. Bishara, ST1:Jan 79:147:14325

Au, Tung
Engineering Management—University Programs, EI2: Apr 80:81:15351
TR:145:564

Au, Wing-Cheong
Dynamic Shear Modulus of Treated Expansive Soils, with Yong S. Chae, GT3:Mar 80:255:15287
TR:145:682

Audibert, Jean M.E.
Soil Restraint Against Horizontal Motion of Pipes, with Kenneth J. Nyman, GT10:Oct 77:1119:13303
Dsc: Joe O. Akinmusuru, GT9:Sept 78:1213: 13978; Howard P. Thomas, GT9:Sept 78:1214: 13978; Leon Ru-Liang Wang, GT12:Dec 78: 1532:14194
Clo: GT12:Dec 79:1555:15008
TR:145:46
See Robert G. Bea, ST2:Feb 79:377:14386
See Robert G. Bea, GT8:Aug 80:853:15645
See Robert G. Bea, CE:Oct 80:146

Auernhamer, Mark E.
Hydrologic Transport Model for Surface Mined Lands (Abstract), IRKB:July 80:911

Auld, Bruce
Cross-Hole and Down-Hole V_s by Mechanical Impulse, GT12:Dec 77:1381:13397
Dsc: Jorge H. Troncoso, GT1:Jan 79:118:14269; Kenneth H. Stokoe, II, Richard J. Hoar and Robert F. Ballard, Jr., GT10:Oct 79:1257:14867
Errata: GT5:May 80:573:15378, GT9:Sept 80: 1061:15662
TR:145:66

Aurora, Ravi P.
Model Study of Load Transfer in Slender Pile, with Edward H. Peterson and Michael W. O'Neill, TN: GT8:Aug 80:941:15639

Avent, R. Richard
Banding for Structural Repair at Timber Connectors, with Leroy Z. Emkin and Paul H. Sanders, ST1:Jan 80:87:15126
TR:145:561
Eccentrically Loaded Elastically Supported Columns, TN: ST12:Dec 80:2547:15874
Epoxy Repair of Timber — Paradox or Panacea?, Preprint No.80-560, Oct 80, 14pp.

Avery, Charles C.
Evaluating Hydrologic Responses to Forest Activities, with Malchus B. Baker, Jr., IRKB:July 80:485

Avery, Kenneth R.
Modeling Of River Floodplains As Networks, CP80: June 80:286

Avery, Louie K.
See Natarajan Krishnamurthy, ST1:Jan 79:133:14294

Avery, Sean T.
Oxygen Transfer at Hydraulic Structures, with Pavel Novak, HY11:Nov 78:1521:14190
Dsc: Hideo Nakasone, HY9:Sept 79:1211:14793; Boris M. Khudenko, HY9:Sept 79:1213:14793; Andrzej K. Bin, HY9:Sept 79:1216:14793
TR:145:161

Ayars, James A.
Nonpoint Pollution from Agricultural Watersheds, with John C. Inman and Gwendolyn McClung, IRKB:July 80:974

Ayer, Harry
Crop-Water Production Functions in Economic Analysis, with Paul Hoyt and Melvin L. Cotner, IRKA:July 80:336

Ayers, R. C., Jr.
An Environmental Study to Assess The Effect of Drilling Fluids on Water Quality Parameters During High Rate, High Volume Discharge to the Ocean., with T. C. Sauer, Jr., D. O. Stuebner and R. P. Meek, CZ80:Nov 80:1730

Azad, Abul K.
Continuous Steel I-Girders: Optimum Proportioning, ST7:July 80:1543:15575

Azevedo, W. Vernon
See Robert C. Deen, TE2:Mar 80:155:15273

Aziz, Mohamed A.
See Salem D. Ramaswamy, GT8:Aug 79:957:14787

Babajimopoulos, Christos
Formulating Lake Models which Preserve Spectral Statistics, with Keith W. Bedford, HY1:Jan 80:1: 15137
TR:145:557
See Keith W. Bedford, HY1:Jan 80:21:15138

Babuska, Ivo
Adaptive Finite Element Procedures with A-Posteriori Estimates, Preprint No.80-663, Oct 80, 4pp.

Bacher, Alfred E.
See Raymond E. Davis, ST4:Apr 79:729:14491
See Raymond E. Davis, ST4:Apr 79:739:14492

Bachman, Robert E.
See Thomas L. Anderson, Preprint No.80-021, Apr 80, 21pp.

Bachner, John P.
Industry Upgrades Technician Training, CE:Aug 79: 62
TR:145:344

Baddour, Rafik E.
See John N. Hunt, TN: WW1:Feb 80:122:15166

Baecher, Gregory
Dam Failure in Benefit/Cost Analysis, with Marie-Elisabeth Pate and Richard de Neufville, TN: GT1: Jan 80:101:15100

Baehr, Brian E.
Drainage System Design and Implementation in Southwestern British Columbia, IRKA:July 80:274

Baer, Walter S.
Why Does a Federal Demonstration Project Succeed or Fail?, with LeLand L. Johnson and Edward W. Merrow, CE:Mar 79:53
TR:145:130

Bagchi, Amalendu
Dsc, EE5:Oct 80:1005:15717, of "Leachate Generation from a Sludge Disposal Area", EE5:Oct 79:947:14884

Baig, M. I.
See T. Y. Yang, ST12:Dec 79:2511:15063

Bailey, Paul B.
See Stephen L. Passman, EM4:Aug 80:773:15647

Bailey, Robert W.
See Herbert E. Hudson, Jr., EE4:Aug 79:745:14764

Bajaj, Ravinder S.
See Amiya K. Basu, ST8:Aug 79:1637:14783

Baker, Ann C.
Perspectives on Erosion: Barrier Island Management, CZ80:Nov 80:1

Baker, Christopher James
Dsc, HY2:Feb 80:349:15161, of "Drifting Snow Similitude", HY6:June 79:737:14647

Baker, Malchus B., Jr.
See Charles C. Avery, IRKB:July 80:485

Baker, Rafael
A Plasticity Model for the Load Unload Behavior of Sand, with Sam Frydman and J. Galil, Preprint No.80-585, Oct 80, 21pp.
See Michael Garber, GT10:Oct 79:1155:14901
See Sam Frydman, GT3:Mar 80:275:15289

Baker, Richard M.
See Tatsuaki Nakato, HY11:Nov 79:1375:14978

Bakes, Frank
Flow Induced Vibration in Circulating Water System, with Ben P. McGoodwin, TN: HY8:Aug 80:1394: 15590

Bakht, Baidar
Diagnostic Testing of a Bridge, with Paul F. Csagoly, ST7:July 80:1515:15547

Baladi, George Y.
Elastic-Plastic Model for Saturated Sand, with Behzad Rohani, GT4:Apr 79:465:14510
TR:145:353

Balaguru, Perumalsamy N.
Fatigue Behavior and Design of Ferrocement Beams, with Antoine E. Naaman and Surendra P. Shah, ST7:July 79:1333:14671
TR:145:329

Balasubramaniam, A. S.
Deformation and Strength Characteristics of Soft Bangkok Clay, with A. R. Chaudry, GT9:Sept 78: 1153:14040
Dsc: James A. Cheney, GT9:Sept 79:1129:14792
Clo: GT6:June 80:716:15443
TR:145:184

Balasubramanian, V.
Horizontal Buoyant Jets in Quiescent Shallow Water, with Subhash C. Jain, EE4:Aug 78:717:13943
Dsc: Iyyanki V. Muralikrishna, EE2:Apr 79:435: 14468; Joseph H.W. Lee and Gerhard H. Jirka, EE4:Aug 79:790:14720
TR:145:75

Balasubramonian, B.
See D. R. Snethen, SLS:June 80:717

Balasubramonian, B. I.
See N. R. Morgenstern, SLS:June 80:190

Balbis, Roberto E.
See Peter J. Moore, TN: GT9:Sept 79:1108:14798

Balcar, Gerald P.
Markings and Delination in Safety Construction, HW80:Mar 80:135

Balco, John J.
Evaluating Wetlands: Status and Needs, CZ80:Nov 80:494

Balendra, Thambirajah
Reflection and Refraction at Subsonic Velocities, EM4:Aug 80:819:15646

Bales, Roger C.
Energy Recovery From Waste and Biomass—Site Specific Economic Studies, with Ira J. Wright and Lory E. Larson, EE80:July 80:582

Balfour, J. S.
Fendering Requirements/Design Fender Impact Criteria, with J. C. Feben and D. L. Martin, PO80: May 80:504

Baligh, Mohsen M.
Cone Penetration in Soil Profiling, with Vitoon Vivatrat and Charles C. Ladd, GT4:Apr 80:447: 15377
TR:145:714
Downdrag on Bitumen-Coated Piles, with Vitoon Vivatrat and Heinrich Figi, GT11:Nov 78:1355: 14141
Dsc: Bengt H. Fellenius, GT10:Oct 79:1262: 14867
TR:145:210

Ball, David J.
Drag of Yawed Pile Groups at Low Reynolds Numbers, with Clifford D. Hall, WW2:May 80:229: 15425
TR:145:734

Ball, Roy O.
Water Quality Indexing and Scoring, with Richard L. Church, EE4:Aug 80:757:15617

Ballard, Robert F., Jr.
See Kenneth H. Stokoe, II, GT10:Oct 79:1257:14867

Balling, Robert C., Jr.
Evaluating Odor Reduction Technologies: Model, with Carroll E. Reynolds, EE5:Oct 80:901:15743

Balloffet, Armando
Influence of Storm Type and Urbanization on Tidal Flooding, with Michael L. Scheffler, CZ80:Nov 80: 2256

Baltzer, Robert A.
See Chintu Lai, HYCO:Aug 80:177

See Raymond W. Schaffranek, HYCO:Aug 80:292

Bandy, John T.
See Robert E. Riggins, Preprint No.80-579, Oct 80, 4pp.

Banerjee, B.
Large Deflection of Circular Plate: Symmetrical Load, with S. Datta, TN: EM4:Aug 80:831:15589

Banerjee, Sunirmal
In-Situ Volume-Change Properties by Electro-Osmosis - Theory, with James K. Mitchell, GT4: Apr 80:347:15370
TR:145:702
See James K. Mitchell, GT4:Apr 80:367:15371

Banerji, Shankha K.
Final Clarifiers for Activated Sludge Plants, EE5:Oct 79:803:14930
Dsc: Thiruvenkatachari Viraraghavan, EE4:Aug 80:867:15582
Errata: EE3:June 80:680:15441
TR:145:529

Banks, Don C.
See Z. T. Bieniawski, CO4:Dec 80:616:15863

Banner, Michael L.
See Eric J. Wolanski, HY11:Nov 78:1505:14186

Bannister, Ronald L.
Plastic Models for Structural Analysis — Facts and Fallacies, with Ish K. Aneja and Kazuhiro Shiraki, Preprint No.80-020, Apr 80, 20pp.

Barbas, Serghios T.
See James F. Wilson, Preprint No.80-654, Oct 80, 14pp.

Barber, James O.
See Jeannette H. Phillips, CZ80:Nov 80:1098

Bardell, Garry R.
Fatigue of Steel Beams with Groove-Welded Flanges, with Geoffrey L. Kulak, ST9:Sept 80:1855:15685

Barenberg, Ernest J.
See Thomas C. Kinney, Preprint No.80-177, Apr 80, 24pp.
See Amir M. Tabatabaie, TE5:Sept 80:493:15671
See Donald M. Arntzen, TE6:Nov 80:721:15813

Barfield, Billy J.
A Design Model for Sediment Control on Mined Lands, with L. G. Wells, B. Wilson, John S. Tapp and R. A. Uhl, IRKB:July 80:628
Modeling Sediment Filtration by Vegetative Filters, with J. C. Hayes, IRKB:July 80:98
See John S. Tapp, IRKB:July 80:615

Barik, Kapil C.
See Velu Paramasivam, ST5:May 80:1231:15380

Barile, Diane D.
A Local Endangered Species Program — Florida Manatee, *Trichechus manatus*, CZ80:Nov 80:186

Barnes, Harry H., Jr.
See Durl E. Burkham, HY6:June 80:1132:15444

Barnes, Martin
Dsc, CO2:June 80:227:15440, of "Comparison of Friedman and Gates Competitive Bidding Models", CO1:Mar 79:25:14408

Barnes, Stephen H.
See Edward H. Strand, CE:June 80:88

Barnett, Alastair G.
Dsc, with Graham B. McBride, HY12:Dec 80:2069:15866, of "Unconditional Stability in Convection Computations", HY9:Sept 79:1079:14807

Barningham, Michael L.
Working Within the Environmental Regulatory Process, with Steven A. Ott, TE3:May 80:309:15423
TR:145:671

Barnwell, Thomas O., Jr.
Least Squares Estimates of BOD Parameters, TN: EE6:Dec 80:1197:15869

Barosh, Patrick J.
Landsat Data Use in Evaluating Nuclear Reactor Sites, ASDC:80:383

Barrett, J. David
See Ricardo O. Foschi, ST8:Aug 80:1735:15599

Barrett, Wendelin
Comparative Study of Residual Stress Effects on Failure Loads of Welded Circular Tubes, with W. H. Mueller and Hacik Erzurumlu, Preprint No.80-112, Apr 80, 20pp.

Barrie, Donald S.
Guidelines for Successful Construction Management, CO3:Sept 80:237:15686
The Trade Contractors' View of Construction Management, CO4:Dec 79:381:15081
TR:145:555
Dsc, CO4:Dec 80:614:15863, of "Union Versus Nonunion Construction in the U.S.", CO4:Dec 79:289:15020

Barror, Richard F.
Dsc, with Edward D. Schroeder, EE6:Dec 80:1209:15864, of "Simulation Modeling of Primary Clarifiers", EE2:Apr 80:293:15312

Barth, Donald O.
America's Covered Bridges, CE:Feb 80:51
Dsc: William W. Pleasants, CE:July 80:34; Chriss H. Doss, CE:July 80:34
TR:145:590

Barth, Richard P.
See Walter G. Hoydysh, EE80:July 80:494

Bartlett, Donald L.
Administrative Computer Utilization in Engineering, Preprint No.80-043, Apr 80, 19pp.

Bartlett, E. Thomas
See Stanley L. Ponce, IRKB:July 80:530

Bartlett, Paul E.
See Benjamin Donsky, HY6:June 79:661:14637

Bartlit, John R.
Dsc, CE:Aug 79:28, on 1977 Clean Air Act: Cheapest Way to Clean Up the Environment?, CE: Mar 79:85

Barton, Furman W.
See Ernest E. Nester, Preprint No.80-503, Oct 80, 13pp.
See Timothy O. Weaver, EM81:Jan 81:252

Barton, Manes
An Operational Data Acquisition System Using Meteor Burst Technology, with Michael Burke, ASDC:80:346

Bartos, Michael J., Jr.
Building Skyscrapers in Orbit, CE:July 79:66
Dsc: Robert L. Nichols, CE:Jan 80:30
TR:145:315
EPA Goes to BAT Against Toxic Industrial Wastewater, CE:Sept 79:87
TR:145:383
Has Metrication Run Out of Gas?, CE:Aug 79:49
Dsc: George W. Gove, CE:Jan 80:32
TR:145:329
Ontario Writes New Bridge Code, CE:Mar 79:56
Dsc: William J. Schmitz, CE:July 79:33; Paul F. Csagoly, CE:Apr 80:28
TR:145:134
Testing Concrete in Place, CE:Oct 79:66
Dsc: Charles F. Peck, CE:Mar 80:42; Ken Munskie, CE:Apr 80:28
TR:145:421
101 Uses for Earth Reinforcement, CE:Jan 79:51
TR:145:20

Basco, David R.
Sources of Computer Programs in Hydraulics, HY5: May 80:915:15435
TR:145:697
Dsc, HY9:Sept 79:1205:14793, of "Convergence of Four-Point Implicit Water Wave Models", HY7: July 78:947:13890

Baseler, Robert
See Gene Anspach, PO80:May 80:296

Bashi, Natiq K.
See Tariq A. Mahmoud, IR3:Sept 80:163:15689

Basmaci, Yakup
See Hilmi Dogan Altinbilek, HYCO:Aug 80:39

Bastian, David Fenwick
Design of a Test to Study Salinity Response in a Major Estuarine System to Major Storm Inflow, HYUS:June 80:134

Basu, Amiya K.
Dynamic Characteristics of Coupled Shear Walls, with Ashok K. Nagpal, Ravinder S. Bajaj and Ashok K. Guliani, ST8:Aug 79:1637:14783
Dsc: Riko Rosman, ST7:July 80:1664:15513; Eugenio Pollner, ST7:July 80:1668:15513
TR:145:381
Frame-Wall Systems with Rigidly Jointed Link Beams, with Ashok K. Nagpal, ST5:May 80:1175: 15426
TR:145:662

Basu, Prodyot K.
Cooling Towers Using Measured Wind Data, with Phillip L. Gould, ST3:Mar 80:579:15259
Dsc: Ajaya K. Gupta, ST10:Oct 80:2139:15722
TR:145:608

Basudhar, Prabir K.
Simplified Passive Earth Pressure Analysis, with Madhira R. Madhav, TN: GT4:Apr 80:470:15304

Batchelor, Barrington deV.
Frequency Analysis of Flat Cable Nets: A Simple Model, with Murari L. Gambhir, EM6:Dec 80: 1249:15903

Bates, G. S.
Minimizing Risks and Mitigating Losses — A, CRLS: Jan 79:1-119

Bates, Gary D.
A New Matrix Organization for a Design Firm, with Donald J. Junker and Gerald Roenker, Preprint No.80-533, Oct 80, 10pp.

Bates, William F., Jr.
New Aluminum Structural Materials for the 1980's, TE6:Nov 80:845:15859

Bathala, Chenchayya T.
Assimilative Capacity of Small Streams, with Khirod C. Das and Wesley D. Jones, EE6:Dec 79:1049: 15082
TR:145:586

Bathke, William
An Engineering View of CAMRAS, SU80:June 80: 233

Bathurst, James C.
Flow Resistance of Large-Scale Roughness, HY12: Dec 78:1587:14239
Dsc: Martin N.R. Jaeggi, HY11:Nov 79:1458: 14935
Clo: HY9:Sept 80:1530:15663
TR:145:167
Secondary Flow and Shear Stress at River Bends, with Colin R. Thorne and Richard D. Hey, HY10: Oct 79:1277:14906
Dsc: Werner Gotz, HY10:Oct 80:1710:15721
TR:145:463
See Colin R. Thorne, HY7:July 80:1269:15512

Batista, Manuel J.
See Lyman S. Willardson, IRKA:July 80:140

Batterman, Steven C.
See Brian J. Sullivan, EM3:June 80:543:15500

Battjes, Jurjen A.
Dsc, WW4:Nov 78:461:14122, of "Ocean Wave Statistics for 1961 North Atlantic Storm", WW4: Nov 77:433:13320

Batts, Martin E.
Hurricane Wind Speeds in the United States, with Larry R. Russell and Emil Simiu, ST10:Oct 80: 2001:15744
Sampling Errors in Estimation of Extreme Hurricane Winds, with Martin R. Cordes and Emil Simiu, TN: ST10:Oct 80:2111:15726

Batu, Vedat
Flow Net for Unsaturated Infiltration from Strip Source, IR3:Sept 79:233:14822
TR:145:454

Bauer, David H.
Data Systems for Reuse Planning, EE80:July 80:644

Baum, Robert J.
See Clifton W. Johnson, IRKB:July 80:998

Baumie, Joseph E.
Cost Estimating System Used on Dade County Rapid Transit System, Preprint No.80-627, Oct 80, 17pp.

Bautz, James A.
Improved Mobility for Elderly and Handicapped People, Preprint No.80-609, Oct 80, 13pp.

Bazant, Abubakr A.
Instability and Spacing of Cooling or Shrinkage Cracks, with Abubakr A. Wahab, EM5:Oct 79:873: 14933
TR:145:448

Bazant, Zdenek P.
Approximate Relaxation Function for Concrete, with Sang-Sik Kim, ST12:Dec 79:2695:15083
TR:145:506

Blunt Crack Band Propagation in Finite Element Analysis, with Luigi Cedolin, EM2:Apr 79:297: 14529
Errata: EM5:Oct 79:919:14866
TR:145:255
Concrete Reinforcing Net: Optimum Slip-Free Limit Design, with Tatsuya Tsubaki, ST2:Feb 79:327: 14344
Dsc: Mikael W. Braestrup, ST6:June 80:1375: 15446
Clo: ST6:June 80:1378:15446
TR:145:174
Concrete Reinforcing Net: Safe Design, with Tatsuya Tsubaki and Ted B. Belytschko, ST9:Sept 80:1899: 15705
Fracture Mechanics of Reinforced Concrete, with Luigi Cedolin, FIC:Oct 80:28
Fracture Mechanics of Reinforced Concrete, with Luigi Cedolin, EM6:Dec 80:1287:15917
Hysteretic Fracturing Endochronic Theory for Concrete, with Ching-Long Shieh, EM5:Oct 80: 929:15781
Nonlinear Creep Buckling of Reinforced Concrete Columns, with Tatsuya Tsubaki, ST11:Nov 80:2235: 15811
Nonlinear Creep of Concrete—Adaptation and Flow, with Sang-Sik Kim, EM3:June 79:429:14654
TR:145:302
Physical Model for Steel Corrosion in Concrete Sea Structures—Theory, ST6:June 79:1137:14651
Dsc: Per Fidjestol, ST9:Sept 80:1994:15665
Clo: ST9:Sept 80:1995:15665
TR:145:310
Physical Model for Steel Corrosion in Concrete Sea Structures—Application, ST6:June 79:1155:14652
Dsc: Per Fidjestol, ST9:Sept 80:1994:15665
Clo: ST9:Sept 80:1995:15665
TR:145:313
Plastic-Fracturing Theory for Concrete, with Sang-Sik Kim, EM3:June 79:407:14653
Errata: EM2:Apr 80:421:15298
TR:145:296
Rough Cracks in Reinforced Concrete, with Pietro Gambarova, ST4:Apr 80:819:15330
Dsc: Anand B. Gogate, ST12:Dec 80:2579:15868
TR:145:624
Slip-Dilatancy Model for Cracked Reinforced Concrete, with Tatsuya Tsubaki, ST9:Sept 80:1947: 15704
Thermodynamics of Solidifying or Melting Viscoelastic Material, EM6:Dec 79:933:15041
TR:145:456
Total Strain Theory and Path-Dependence of Concrete, with Tatsuya Tsubaki, EM6:Dec 80:1151: 15911
Viscoelasticity of Solidifying Porous Material—Concrete, EM6:Dec 77:1049:13432
Dsc: Ian J. Jordaan, EM4:Aug 79:725:14721
Clo: EM4:Aug 79:726:14721
TR:145:11
Viscoplasticity of Transversely Isotropic Clays, with Atilla M. Ansal and Raymond J. Krizek, EM4:Aug 79:549:14738
TR:145:333
Dsc, EM2:Apr 80:422:15298, of "A 3D Hypoelastic Concrete Constitutive Relationship", EM4:Aug 79: 623:14746
See Atilla M. Ansal, GT4:Apr 79:519:14546
See Rafael M. Blazquez, GT7:July 80:785:15577

Bea, Robert G.
Awards for 1980 to be given this Month: Croes Medal, with Jean M.E. Audibert and M. Radwan Akky, CE:Oct 80:146
Dynamic Response of Piles in Offshore Platforms, GTA80:Oct 80:80
Earthquake and Wave Design Criteria for Offshore Platforms, ST2:Feb 79:401:14387
TR:145:194
Earthquake Response of Offshore Platforms, with Jean M.E. Audibert and M. Radwan Akky, ST2: Feb 79:377:14386
TR:145:8
Offshore Platforms and Pipelines in Mississippi River Delta, with Jean M.E. Audibert, GT8:Aug 80:853: 15645
Reliability Considerations in Offshore Platform Criteria, ST9:Sept 80:1835:15688
Wave-Induced Slides in South Pass Block 70, Mississippi Delta, with Stephen Wright, Partha Sircar and Alan W. Niedoroda, Preprint No.80-506, Oct 80, 23pp.

Beach, Robert L.
Specialized Fender System Requirements and Design, with Noel B. Davis, PO80:May 80:534

Beachler, Kim
See Thomas J. Campbell, Preprint No.80-670, Oct 80, 8pp.

Beard, Leo R.
Effective Water Research Programs, WR2:July 80: 409:15530
Impact of Hydrologic Uncertainties on Flood Insurance, HY11:Nov 78:1473:14168
Dsc: Gunther Greulich, HY6:June 79:763:14600; Frank Y. Tsai, HY10:Oct 79:1336:14868; J. Neil Stevens, HY10:Oct 79:1337:14868; Asok K. Motayed and Muthusamy Krishnamurthy, HY11:Nov 79:1454:14935
Clo: HY7:July 80:1255:15512
TR:145:149
Urbanization Impact on Streamflow, with Shin Chang, HY6:June 79:647:14623
Dsc: Asok K. Motayed, HY4:Apr 80:627:15301; Jose I. Novoa and Luis M. Salcedo, HY6:June 80:1139:15444
TR:145:327

Beaubien, Richard F.
Citizen Participation in Traffic Safety, Preprint No.80-582, Oct 80, 8pp.

Beauchamp, Charles H.
Dynamic Response Of Floating Bridge To Wave Forces, with Dominique N. Brocard, EM81:Jan 81: 46
See Dominique N. Brocard, HYCO:Aug 80:154

Beaufait, Fred W.
See Richard B. Klein, CP80:June 80:172

Beck, Arthur F.
Evapotranspiration Bed Design, TN: EE2:Apr 79: 411:14474
Dsc: Frederick J. Costello, TN: EE6:Dec 79:1200: 15006
Clo: TN: EE4:Aug 80:863:15582

Beck, Charles F.
Ethical Considerations in Computer Use, TC2:Dec 79:415:15056
TR:145:438
See Kolbjorn Saether, TC2:Dec 79:371:15069

Becker, Harry
See John T. Novak, EE5:Oct 77:815:13262

Becker, Leonard
See William W-G. Yeh, WR2:Sept 79:187:14813
See William W-G. Yeh, WR2:July 80:521:15573

Becker, Rachel
Simplified Investigation of Floors under Foot Traffic, ST11:Nov 80:2221:15804

Bedford, Keith W.
Great Lakes Storm Surge Flood Forecasting Methods, with Mark D. Prater and Steven Dingman, HYUS:June 80:289
Verifying Lake Transport Models with Spectral Statistics, with Christos Babajimopoulos, HY1:Jan 80:21:15138
Errata: HY12:Dec 80:2079:15866
TR:145:557
See Christos Babajimopoulos, HY1:Jan 80:1:15137

Bedient, Philip B.
Drainage Density as Index of Watershed Development, with Wayne C. Huber and James P. Heaney, IR4:Dec 78:373:14249
Dsc: Robert C. Boyce, IR4:Dec 79:438:15010
Clo: IR3:Sept 80:256:15664
TR:145:89
Environmental Model of Kissimmee River Basin, with Wayne C. Huber and James P. Heaney, WR2: Nov 77:241:13326
Dsc: Bernard L. Golding, WR1:Nov 78:292:14121
Clo: WR2:Sept 79:438:14797
TR:145:52
Low Flow and Stormwater Quality in Urban Channels, with Jeff L. Lambert and Paulo Machado, EE2:Apr 80:421:15336
TR:145:692
Stormwater Analysis and Prediction in Houston, with Douglas A. Harned and William G. Characklis, EE6:Dec 78:1087:14237
Dsc: Elvidio V. Diniz and William H. Espey, Jr., EE6:Dec 79:1196:15006; Marshall E. Jennings, EE1:Feb 80:245:15158
TR:145:165
Dsc, EE2:Apr 80:459:15296, of "Assessing Nonpoint Water Quality for Small Streams", EE6:Dec 78: 1119:14232
See Christopher B. Amandes, EE2:Apr 80:403:15335
See Charles J. Newell, EE80:July 80:364
See David P. Smith, Jr., WR2:July 80:413:15555

Bednarz, Trisha A.
See Kathy H. Fitzpatrick, CZ80:Nov 80:1406

Beetle, George R.
Conference Summary, UT79A:July 79:1
Dsc: Arun Chatterjee, UT79A:July 79:18

Begin, Ze'ev B.
Knickpoint Migration due to Baselevel Lowering, with David F. Meyer and Stanley A. Schumm, WW3:Aug 80:369:15651

Beimborn, Edward A.
Dsc, TE6:Nov 78:874:14120, of "Comparison of Cost Functions in Modal-Split Models", TE6:Nov 77: 763:13343

Bekey, George A.
See Sami F. Masri, EM81:Jan 81:87
See Sami F. Masri, EM81:Jan 81:794

Belfort, Georges
See Yael Rotem-Borensztajn, EE2:Apr 79:401:14536

Beliveau, Jean-Guy
Parameter Estimation From Full-Scale Cyclic Testing, with Michael Favillier, EM81:Jan 81:775

Bell, F. C.
See M. S.K. Chowdhury, HY4:Apr 80:489:15357

Bell, J. Richard
Future Advances in Soil Placement and Improvement, GT1:Jan 78:1:13469
Dsc: Israel Alterman, Josef Rom and Josef Shwartz, GT12:Dec 78:1536:14194
Clo: GT11:Nov 79:1368:14934
TR:145:73
Introduction to Geotextiles for Soil Improvement, Preprint No.80-177, Apr 80, 30pp.

Bell, John H.
See Damodar S. Airan, EE4:Aug 80:741:15613

Bell, Lansford C.
Optimum Location of Maintenance Facilities, with Rex K. Rainer, TE6:Nov 80:697:15825

Bell, Roy A.
Settlement Comparison Used in Tank-Failure Study, with Jun Iwakiri, GT2:Feb 80:153:15219
TR:145:656

Bella, David A.
Interdisciplinary Research and Environmental Management, with Kenneth J. Williamson, EI3:July 78:193:13860
Dsc: Kon Chin Tai, EI2:Apr 79:126:14469
Clo: EI1:Jan 80:66:15096
TR:145:82
Peer Accountability for Rationale of Impact Statements, EI3:July 78:203:13906
Dsc: Gordon E. Matzke, EI3:July 79:176:14660
Clo: EI1:Jan 80:67:15096
TR:145:97
Simulation of Sulfur Cycle in Estuarine Sediments, with Kenneth J. Williamson, EE1:Feb 80:125:15174
TR:145:622
Dsc, WR1:Mar 80:370:15228, of "Economics and Water Resources Planning in America", WR1:Mar 79:47:14427
Dsc, EE3:June 80:672:15441, of "Prediction of Septic-System Failures", EE3:June 79:503:14609
See Kenneth J. Williamson, EE4:Aug 80:695:15595

Bellomo, Salvatore J.
Stationary and Mobile Source Controls and Tradeoffs, with Jawaharlal Mehra, CAAA:Nov 79: 153

Bellotti, Roberto
See Kurt Berlin Gerstle, EM6:Dec 80:1383:15945

Belser, Roy L.
See James M. Gossett, EE80:July 80:33

Beltaos, Spyridon
Longitudinal Dispersion in Rivers, HY1:Jan 80:151: 15118
TR:145:534
Transverse Mixing Tests in Natural Streams, HY10: Oct 80:1607:15731

Belytschko, Ted B.
See Zdenek P. Bazant, ST9:Sept 80:1899:15705

Bender, G. Michael
See Michael L. Terstriep, TC1:Aug 80:73:15620

Benedek, Andrew
See Russell G. Peel, EE4:Aug 80:797:15638

Benedict, Barry A.
Sensitivity of the Prych-Davis-Shirazi Model, with John W. Preston, Jr., HYCO:Aug 80:322

Benedict, Paul C.
Equipment for Investigations of Fluvial Sediment, HY3:Mar 79:163:14407
Dsc: August R. Robinson, HY10:Oct 79:1341: 14868
Clo: HY7:July 80:1257:15512
TR:145:219

Benjamin, Jack R.
Awards for 1980 to be given this Month: Freudenthal medal, CE:Oct 80:150
Decision Making and the Cost of Ignorance, EFHYF:Mar 79:76

Benjamin, Neal B.H.
Comparison of Friedman and Gates Competitive Bidding Models, with Richard C. Meador, CO1: Mar 79:25:14408
Dsc: Marvin Gates, CO4:Dec 79:404:15005; William R. Park, CO2:June 80:225:15440; Martin Barnes, CO2:June 80:227:15440
TR:145:226

Benko, Andrew
See Richard H. Schmitz, PO80:May 80:148

Benn, Bob
Advanced Data Collection Technology and Applications - A Task Committee Report (Abstract), with Enrico Mercanti, MGC:July 80:342

Bennett, Craig M., Jr.
Structural Analysis on Microcomputers, with Barry J. Goodno, CP80:June 80:488

Bennett, D. W.
See Sheldon Abrams, CZ80:Nov 80:1497

Bennett, F. Lawrence
Computers in Engineering Organization Management, EI3:July 79:147:14714
TR:145:312

Bennett, Jerry E.
Gravity Model Based on Perceived Traveltimes, TE1: Jan 80:59:15140
TR:145:537

Bennetts, Ian D.
See Paul Grundy, ST1:Jan 80:313:15108

Benoit, Dennis J.
See Michael L. Terstriep, TC1:Aug 80:73:15620

Benoit, Jeffrey R.
See Stanley M. Humphries, CZ80:Nov 80:1809

Benson, Fred J.
The American Highway System, Its Past and Its Future, MGC:July 80:389
See Bob M. Gallaway, MGC:July 80:366

Benson, Norman G.
The Issue of Freshwater Inflow to Estuaries, CZ80: Nov 80:1147

Benson, Ronald E., Jr.
Containment of Heavy Metals with Natural Materials, EE80:July 80:69

Bentley, R. Gordon
Reducing Salinity of Surface Runoff from Rangeland, with Eric B. Janes and Keith O. Eggleston, IRKB: July 80:69

Benton, Arthur R., Jr.
Effects of Dam Construction and Channelization on Deltaic Wetlands, ASDC:80:183
Impacts of Water Development and Coastal Engineering on Barrier Island Erosion Rates, ASDC:80:191
Monitoring Aquatic Plants in Reservoirs, with Carolyn A. Clark and Wallace W. Snell, TE4:July 80:453:15551
Monitoring Noxious Plant Spread in Reservoirs, ASDC:80:21

Benuska, Kalman L.
Structural Characterization Of Concrete Chimneys, with Gerald Y. Matsummoto, Everett H. Killam and John G. Diehl, EM81:Jan 81:152

Berek, E. P.
See Robert G. Dean, WW3:Aug 78:291:13960

Berends, Bruce E.
Cubical Multiaxial Cell for Testing Cohesive Soils, with Hon-Yim Ko, TN: GT1:Jan 80:106:15100

Berg, Craig P.
See David F. McGinnis, Jr., WR1:Mar 80:1:15244

Berger, Bernard B.
See Leonard B. Dworsky, WR1:Mar 79:133:14445

Berger, Jan P.
High Altitude Photos for Inactive Mines, with Warren R. Philipson, SU1:Nov 80:27:15815

Berger, Udo
See Soren Kohlhase, WW1:Feb 79:98:14357

Bergmann, Ernest
See Anatole Longinow, TC1:Apr 79:197:14542

Berkowitz, Morris
See Raj P. Khera, GTDF:80:235

Bermel, Peter F.
Major Mapping Activities in the Coastal Zone, CZ80: Nov 80:2380

Bernal, Dennis
See Edwin G. Burdette, ST11:Nov 78:1741:14131

Bernard, Martin J., III
Impact of Potential Electric Vehicle Market Penetrations on Air Quality, CAAA:Nov 79:329

Bers, Eric L.
Dsc, UT79A:July 79:163, of "Pricing and Revenue Yield", UT79A:July 79:144

Bert, Charles W.
Cylindrical Shells of Bimodulus Composite Material, with V. Sudhakar Reddy, Preprint No.80-623, Oct 80, 13pp.
See Sandra K. Kincannon, ST7:July 80:1437:15537

Bertacchi, Paolo
See Kurt Berlin Gerstle, EM6:Dec 80:1383:15945

Bertero, Vitelmo V.
See Stan Zagajeski Zagakesli, ST5:May 79:829:14583
See Egor P. Popov, EM1:Feb 80:75:15194

Berzins, Agris
A Ten Year Improvement in Water Quality in a Major Okanagan Valley Lake as a Result of Municipal Wastewater Phosphorus Reduction, EE80:July 80:627

Beschta, Robert L.
Turbidity and Suspended Sediment Relationships, IRKB:July 80:271

Betancourt-Angel, Fernando
See Robert G. Drysdale, ST12:Dec 79:2601:15072

Bettess, Peter
Eigenvalues for $\Delta\phi+\lambda\phi=0$ in Regular Polygons, TN: EM6:Dec 80:1433:15871

Bettinger, Ricahrd V.
Economic and Seismic Hazard Mitigation for a Gas and Electric Utility, C080:80:98

Bhaskaran Nair, P. G.
See K. S. Sankaran, TN: GT3:Mar 80:325:15262

Bhatia, Shobha K.
See W. D. Liam Finn, Preprint No.80-520, Oct 80, 13pp.

Bhatt, Kiran U.
Direct Costs of Highway Travel, UT79A:July 79:19
Dsc: William H. Crowell, UT79A:July 79:31; Arun Chatterjee, UT79A:July 79:34

Bhattacharya, Ashim K.
Variable Drainable Porosity in Drainage Design, with Robert S. Broughton, IR1:Mar 79:71:14433
TR:145:179

Bhatti, M. A.
Interactive Optimal Design of Dynamically Loaded Structures, with K. S. Pister and E. Polak, Preprint No.80-635, Oct 80, 17pp.

Bhave, Pramod R.
Noncomputer Optimization of Single-Source Networks, EE4:Aug 78:799:13956
Errata: EE6:Dec 79:1191:15006
TR:145:98
See Chan F. Lam, HYCO:Aug 80:221

Bhowmik, Nani G.
Hydraulic Geometry Coefficients of Floodplains, HYCO:Aug 80:86

Bhushan, Kul
Lateral Load Tests on Drilled Piers in Stiff Clays, with Steven C. Haley and Patrick T. Fong, GT8: Aug 79:969:14789
Dsc: Peter Kocsis, GT10:Oct 80:1172:15720
Clo: GT10:Oct 80:1173:15720
TR:145:490

Bianchini, Gary F.
See Adel S. Saada, GT10:Oct 79:1268:14867

Bieganousky, Wayne A.
See William F. Marcuson, III, GT11:Nov 77:1295: 13350

Bieniawski, Z. T.
Dsc, with Don C. Banks and Glenn A. Nicholson, CO4:Dec 80:616:15863, of "Park River Auxiliary Tunnel", CO4:Dec 79:341:15076

Bietry, Jacques
Mean Wind Profiles and Change of Terrain Roughness, with Christian Sacre and Emil Simiu, ST10:Oct 78:1585:14099
Dsc: James Counihan, ST6:June 79:1225:14602
Clo: ST5:May 80:1224:15380
TR:145:110

Bigford, Thomas E.
See Paul R. Adamus, CZ80:Nov 80:160

Biggs, David T.
Should an Engineer be Allowed to "Moonlight" After Hours?, EI1:Jan 80:41:15104
Dsc: Robert E. Bigham, EI4:Oct 80:430:15718
TR:145:435

Biggs, John M.
See Shih-Sheng P. Lai, ST6:June 80:1295:15482

Bigham, Robert E.
Dsc, EI4:Oct 80:430:15718, of "Should an Engineer be Allowed to "Moonlight" After Hours?", EI1:Jan 80:41:15104

Bijlaard, F. S.K.
See J. Witteveen, Preprint No.80-179, Apr 80, 27pp.

Bilimoria, Maheyar
See Dennis Clifford, EE80:July 80:514

Billington, David P.
Bridges as an Expression of Regional Aesthetics, Preprint No.80-032, Apr 80, 21pp.
History and Esthetics in Suspension Bridges, ST8: Aug 77:1655:13143
Dsc: Herbert Rothman, ST1:Jan 78:246:13451; George Schoepfer, ST2:Feb 78:378:13508; Peter Graham Buckland, ST2:Feb 78:379:13508; Hassan I.A. Hegab, ST3:Mar 78:619:13580; Haroid Samelson, ST4:Apr 78:732:13648; Edward Cohen and Frank L. Stahl, ST6:June 78:1027:13789; Blair Birdsall, ST6:June 78:1030: 13789; John Paul Hartman, ST7:July 78:1174: 13857
Errata: ST8:Aug 79:1725:14724, ST3:Mar 79:671: 14404
TR:145:14
Wilhelm Ritter: Teacher of Mailiart and Ammann, ST5:May 80:1103:15416
TR:145:659
See Dennis A. Nagy, ST6:June 79:1103:14650
See Dennis A. Nagy, EY2:Aug 79:181:14747
See Norman J. Sollenberger, ST3:Mar 80:601:15281

Bin, Andrzej K.
Dsc, HY9:Sept 79:1216:14793, of "Oxygen Transfer at Hydraulic Structures", HY11:Nov 78:1521:14190

Bird, Eric C.F.
See Peter W. Cullen, CZ80:Nov 80:1252

Bird, John W.
Dsc, IR3:Sept 80:261:15664, of "Ground-Water Storage for California Water Project", IR3:Sept 79: 305:14832

Birdsall, Blair
Dsc, ST6:June 78:1030:13789, of "History and Esthetics in Suspension Bridges", ST8:Aug 77:1655: 13143
Dsc, CO1:Mar 80:98:15223, of "Professional Construction Management Services", CO2:June 79: 139:14624

Birkemoe, Peter C.
Bolted Truss Connections of Rectangular Steel Tubes, with P. W. Olynyk, Preprint No.80-053, Apr 80, 22pp.
See Joseph A. Yura, Preprint No.80-179, Apr 80, 21pp.

Birkmyer, James A.
Subway Designs and Construction Methods That Cut Costs, CE:Oct 78:62
TR:145:1

Birnstiel, Charles
Factors Influencing Frame Stability, with Jerome S.B. Iffland, ST2:Feb 80:491:15196
TR:145:593
Study of Cable-Net Natural Draft Cooling Towers, with Nicholas F. Morris and John J. Jonatowski, Preprint No.80-080, Apr 80, 22pp.

Birrell, George S.
Construction Cost Estimating in the Design Process, CO4:Dec 80:551:15880

Construction Planning—Beyond the Critical Path, CO3:Sept 80:389:15684

Bishara, Alfred G.
Flexural Rotational Capacity of Spandrel Beams, with Larry Londot, Peter Au and Majety V. Sastry, ST1: Jan 79:147:14325
TR:145:159
Settlement-Induced Forces in Concrete Bridges, with Shih-Zong Jang, ST7:July 80:1423:15522
See Karoon Chandrangsu, ST7:July 78:1045:13907
See Mahmoud A. Reda Youssef, ST6:June 80:1263: 15455

Bishop, A. Bruce
Competition of Energy for Agricultural Water Use, with Rangesan Narayanan, IR3:Sept 79:317:14838
TR:145:515
See Roger D. Hansen, WR1:Mar 80:275:15265

Bishop, Harold F.
Gravel Mining and Land Development Can Go Hand in Hand, with Bruce E. Hanna, CE:Feb 79:65
TR:145:78

Bishop, Paul L.
Regional Resource Recovery Center Cost Analysis, with Elizabeth Howard, Marcia Flinkstrom, Cindy White and Robert Cook, EE5:Oct 80:977:15760
See Bruce W. Pierstorff, EE2:Apr 80:377:15331

Bishop, William M.
Regional Waste Treatment Plant: The Consultant's View, Preprint No.80-613, Oct 80, 4pp.

Bissell, Hal
See Nona B. Dennis, CZ80:Nov 80:1939

Bissell, Vernon C.
Hydromet Data Base for Forecasting and Operations, with Edward M. Davis, Preprint No.80-148, Apr 80, 27pp.

Biswas, Asit K.
Environment and Water Development in Third World, WR1:Mar 80:319:15295
TR:145:592
Water: A Perspective on Global Issues and Politics, WR2:Sept 79:205:14815
TR:145:140

Bittinger, Morton W.
Ground-Water Surface-Water Conflicts, WR2:July 80: 467:15567

Bittner, Robert B.
Substructure Construction Methods — I-205 Columbia River Bridge, Preprint No.80-027, Apr 80, 22pp.

Bitton, Gabriel
See Phillip R. Scheuerman, EE4:Aug 79:629:14756

Bixby, Richard
Dsc, EE3:June 80:674:15441, of "Transport of Viruses through Organic Soils and Sediments", EE4:Aug 79:629:14756

Bjorhovde, Reidar
LRFD Criteria for Steel Beam-Columns, with Theodore V. Galambos and Mayasandra K. Ravindra, ST9:Sept 78:1371:14016
Dsc: Raymond M.L. Ting, ST6:June 79:1222: 14602; Ira Hooper, ST10:Oct 79:2133:14869
Clo: ST5:May 80:1223:15380
TR:145:92
Research Needs in Stability of Metal Structures, ST12:Dec 80:2425:15926

Bjorkman, Gordon S., Jr.
See Rowland Richards, Jr., EM6:Dec 80:1125:15889

Bjornbak-Hansen, Jorgen
See Henning Agerskov, ST12:Dec 79:2707:15087

Black, Duncan M.
To Joint Venture, Or Not — Is It For Your Firm?, Preprint No.80-171, Apr 80, 31pp.

Black, Peter E.
Parking Lot Impact on Water Quality, IRKB:July 80: 541

Black, Peter G.
See W. Linwood Jones, Preprint No.80-642, Oct 80, 14pp.

Blackburn, W. H.
Universal Soil Loss Equation and Rangelands, IRKB: July 80:588
Watershed Parameters as Influenced by Grazing, with R. W. Knight, M. K. Wood and L. B. Merrill, IRKB:July 80:552

Blackey, Edwin A., Jr.
Park River Auxiliary Tunnel, CO4:Dec 79:341:15076
Dsc: Z. T. Bieniawski, Don C. Banks and Glenn A. Nicholson, CO4:Dec 80:616:15863
TR:145:528
See Carolyn J. Merry, ASDC:80:158

Blackmore, Donald John
Water Control Difficulties Through Flooded Lakes Systems, ASDC:80:69

Blair, Carvel H.
Virginia Ports Workshop, PO80:May 80:248
Wetland Surveying and Mapping, SU1:Nov 79:23: 14953
TR:145:574

Blair, William G.E.
See Iain M. Robertson, CZ80:Nov 80:917

Blaisdell, Fred W.
Compound Weir Discharge, with Clayton L. Anderson, HY7:July 79:817:14688
TR:145:369
Dsc, HY7:July 78:1108:13856, of "Behavior of Auxiliary Intake of Ramganga Dam at Low Levels", HY7:July 77:753:13091
Dsc, HY8:Aug 79:1039:14723, of "Size Determination of Partly Full Conduits", HY7:July 78:959:13862
Dsc, HY10:Oct 79:1326:14868, of "Air Entrainment in Radial Flow Towards Intakes", HY9:Sept 78: 1323:14038
Dsc, HY10:Oct 79:1333:14768, of "Vortex Formation at Vertical Pipe Intakes", HY10:Oct 78: 1429:14104
Dsc, HY9:Sept 80:1551:15663, of "Estimating Average Velocity in Gravel-Bed Rivers", HY9:Sept 79:1103:14810
See Clayton L. Anderson, HY6:June 79:707:14639

Blake, Jane
See Charles A. Onstad, IRKB:July 80:961

Blakely, Ken
System Identification: Review And Examples, with Paul Ibanez, Shelley Griffith, Bob Cooper and John Stoessel, EM81:Jan 81:846

Blanchard, Fred P.
Interstate I-205 Columbia River Bridge, with Marvin E. Parala, Preprint No.80-077, Apr 80, 16pp.

I-205 Columbia River Bridge Design and Construction, Preprint No.80-554, Oct 80, 11pp.

Blanchfield, Jeffry S.
See William J. Kockelman, CZ80:Nov 80:1138

Bland, Richard L.
A Survey of Cadd in Engineering Practice (Abstract), CP80:June 80:15

Blank, William F.
See Philip L. Owen, CP80:June 80:48

Blass, G. F.
See J. C. Calhoun, CAAA:Nov 79:103

Blazquez, Rafael M.
Site Factors Controlling Liquefaction, with Raymond J. Krizek and Zdenek P. Bazant, GT7:July 80:785: 15577

Blendy, Michael M.
Rational Approach to Pile Foundations, GTDF:80:38

Blick, Abraham J.
See Maarten B. de Groot, HY5:May 80:939:15379

Bliss, Margaret J.
See Madan L. Arora, EE80:July 80:100

Bliven, F. Larry
See Fred A. Koehler, EE2:Apr 80:470:15296

Bliven, Larry F.
Monitoring Areawide Rural Water Quality, with Frank J. Humenik, Fred A. Koehler and Michael R. Overcash, EE1:Feb 79:101:14343
Errata: EE6:Dec 79:1199:15006
TR:145:186

Blockley, D. I.
Logical Analysis of Subjective Estimates of Structural Failure, Preprint No.80-003, Apr 80, 17pp.
A Probabilistic Paradox, TN: EM6:Dec 80:1430: 15871

Bludau, Owen W.
Beachfront Restoration Using Water Quality Programs, CZ80:Nov 80:2342

Blum, Frederic L.
Professional Alternative to Collective Bargaining, EI2:Apr 79:77:14514
Dsc: Thiruvenkatachari Viraraghavan, EI1:Jan 80: 70:15096
TR:145:238
Dsc, EI1:Jan 79:55:14267, of "Maintaining Competence in Engineering", EI2:Apr 78:101: 13670

Blume, John A.
Probabilistic Procedures for Peak Ground Motions, with Anne S. Kiremidjian, ST11:Nov 79:2293: 14976
Errata: ST11:Nov 80:2354:15785
TR:145:458
Dsc, GT5:May 79:705:14549, of "Uncertainties in Seismic Risk Procedures", GT7:July 78:869:13896
See C. K. Chen, EM81:Jan 81:745

Blystra, Andrew R.
Application of Landsat to the Inventory of Dams, with Raymond R. Dumas, AS80:Aug 80:54

Boadway, John D.
Dynamics of Growth and Breakage of Alum Floc in Presence of Fluid Shear, EE5:Oct 78:901:14084
Errata: EE6:Dec 79:1193:15006
TR:145:134

Board, M.
Modifications and Thermal Corrections for Stress and Displacement Instrumentation — Stripa, Sweden, with P. Nelson, T. Schrauf, A. Dubois, R. Lingle and H. Pratt, Preprint No.80-167, Apr 80, 18pp.

Board of Direction, ASCE
Opportunities in Engineering and Construction Entrepreneurship for Minorities, EI2:Apr 79:77: 14520
TR:145:252

Bocking, K. A.
Limitations of the Axis Translation Technique, with D. G. Fredlund, SLS:June 80:117

Boegly, William J., Jr.
Land Disposal of Coal Gasification Residue, with Henry W. Wilson, Jr., Chester W. Francis and E. C. Davis, EY2:Oct 80:179:15757

Boggess, William R.
Session IV—Non-Meteorologic Data, EFHYF:Mar 79:422
See Charles W. Stockton, EFHYF:Mar 79:239

Boirum, Ralph N.
Driveability of Piles in Pacific Northwest Soils, with Ming-Jiun Wu and George Yamane, Preprint No.80-094, Apr 80, 22pp.

Boldy, A. P.
See C. S. Watt, HY10:Oct 80:1627:15740

Bolt, Bruce A.
See Neville C. Donovan, ST8:Aug 78:1179:13972

Bolton, Gerald C.
See Joe C. Willis, HY1:Jan 79:1:14310

Boman, Per
See Bengt B. Broms, GT4:Apr 79:539:14543

Bomze, Herman
Calibration of Numerical Model for Harbor Waves, HYCO:Aug 80:441
Math Model for Harbor Waves/Ship Motions/ Moorings, PO80:May 80:624

Bondada, Murthy V.A.
Intra-CBD Travel Patterns of Downtown Workers, Preprint No.80-655, Oct 80, 13pp.

Bondelid, Timothy R.
See George K. Young, WR2:Sept 79:353:14854

Bonner, Robert F., Jr.
Municipal Wastewater Treatment Plant Pioneers in Conservation Approach, CE:July 80:57

Bonner, Vernon R.
See George F. McMahon, WR1:Mar 80:239:15248

Bonta, James V.
See W. Russell Hamon, IRKB:July 80:27

Boone, David R.
Formulating Alternatives for Environmental Studies, EE3:June 80:527:15486
TR:145:726

Boonpuan, Apisak
See Antoine G. Hobeika, TE1:Jan 80:43:15143

Boonyatharokul, Wiboon
Evapotranspiration under Depleting Soil Moisture, with Wynn R. Walker, IR4:Dec 79:391:15018
TR:145:530

Boore, David
See Jean B. Savy, ST1:Jan 80:145:15115

Booth, L. G.
See John A. Anderson, ST6:June 79:1167:14645

Bo Pedersen, Flemming
Dense Bottom Currents in Rotating Ocean, HY8:Aug 80:1291:15629

Borcalli, Francis E.
See James M. Wolf, IRKA:July 80:205

Borcherding, John D.
Improving Motivation and Productivity on Large Projects, with Scott Morse Sebastian and Nancy Morse Samelson, CO1:Mar 80:73:15272
Dsc: William F. Maloney, CO4:Dec 80:618:15863
TR:145:629
Motivation and Productivity of the Work Force on Large Projects, with Douglas F. Garner, Preprint No.80-170, Apr 80, 21pp.
Scat Cat: A Construction Motivational Program, with Richard L. Tucker, Preprint No.80675, Oct 80
See Nancy Morse Samelson, CO1:Mar 80:29:15276

Boresi, Arthur P.
See Sukhvarsh Jerath, ST6:June 79:1069:14632

Borg, Robert F.
Dsc, CO1:Mar 80:93:15223, of "What to Do If You Think A Pile Claim Is Coming", CO4:Dec 78:503:14202
Dsc, CO2:June 80:230:15440, of "Report on Improving Construction Arbitrations", CO1:Mar 79:1:14414

Borgman, Leon E.
See Robert T. Hudspeth, EM2:Apr 79:223:14517

Borjeson, Ralph W.
See John T. Christian, GT7:July 78:907:13904

Bornstein, Ann E.
See Neville C. Donovan, GT7:July 78:869:13896

Borovsky, Shmuel
See Abishai Polus, TE5:Sept 79:549:14851

Borrelli, John
See C. Dean Yonts, IRKA:July 80:429

Bos, Marinus G.
Standards for Irrigation Efficiencies of ICID, IR1: Mar 79:37:14457
Dsc: Warren A. Hall, IR4:Dec 79:443:15010; John L. Merriam, IR1:Mar 80:71:15226; Maurice Roos, IR1:Mar 80:73:15226
Clo: IR4:Dec 80:374:15867
TR:145:227

Bothman, Robert N.
I-205: A Unique Urban Freeway, Preprint No.80-143, Apr 80, 22pp.

Botzler, Paul W.
Continuous Composite-Bridge Model Tests, with James Colville, ST9:Sept 79:1741:14824
Dsc: Steven K. Starkey and Aubrey Philip Rabb, ST7:July 80:1670:15513; Celal N. Kostem and Jeffrey C. Hall, ST8:Aug 80:1830:15586
TR:145:396

Bourdeau, Yvan
See Gerard Didier, SLS:June 80:18

Bourdon, Clinton C.
See Raymond E. Levitt, CO4:Dec 79:281:15019
See Raymond E. Levitt, CO4:Dec 79:289:15020

Boutrup, E.
See William G. Salomone, Preprint No.80-177, Apr 80, 14pp.

Bouwer, Herman
Urbanizing Irrigated Valleys for Optimum Water Use, UP1:Jan 79:41:14281
TR:145:390

Bouzoun, J. R.
See E. Allan Cassell, EE80:July 80:620

Bowen, Robert E.
See Robert L. Friedheim, CZ80:Nov 80:980

Bower, R. V.
Dsc, CE:Aug 80:31, on Willow Island Aftermath: The Limits of OSHA, CE:Mar 80:68

Bowers, A. R.
See C. P. Huang, EE80:July 80:240

Bowers, Kevin J.
See F. B. Couch, Jr., CE:Oct 80:154

Bowes, Donald E.
Hazard Assessment of an Arch Dam in a Seismic Zone, with Antonio X. Sison and Alan L. O'Neill, Preprint No.80-055, Apr 80, 30pp.

Bowles, David S.
Saturation Kinetics for Preferential Nitrogen Uptake, with William J. Grenney, TN: EE4:Aug 80:833: 15588
Dsc, HY1:Jan 80:217:15097, of "Disaggregation of Streamflow Volumes", HY1:Jan 79:27:14331

Boyce, Robert C.
Dsc, IR4:Dec 79:438:15010, of "Drainage Density as Index of Watershed Development", IR4:Dec 78: 373:14249

Boyd, William Milan
Cumulative Impact Assessment-California Coastal Law, CZ80:Nov 80:1321

Boyle, Gary L.
Fire Management Planning in Southern California, with Jim Retelas, IRKB:July 80:260

Boyle, William C.
See Neil J. Hutzler, EE5:Oct 80:919:15748

Braaksma, John P.
Air Terminal Design: Decentralization and Shape, with W. Alex Ramsay, TE6:Nov 79:699:14945
TR:145:417
Human Orientation in Transportation Terminals, with W. Jordan Cook, TE2:Mar 80:189:15274
TR:145:603

Brabb, Earl E.
Seismic Zonation in the San Francisco Bay Region, C080:80:54

Bracey, D. J.
See Clyde B. Tatum, Preprint No.80-631, Oct 80, 17pp.

Bradford, Mark A.
See Gregory J. Hancock, ST7:July 80:1557:15539

Bradford, Wesley L.
Lake Process Models Applied to Reservoir Management, with David J. Maiero, EE5:Oct 78: 981:14100
Dsc: John A. Burnes, EE3:June 79:615:14597; Santosh R. Goswami, EE3:June 79:615:14597
Clo: EE2:Apr 80:458:15296
TR:145:140

Bradley, Earl H., Jr.
The Networking Approach to Coastal Zone Management, CZ80:Nov 80:1504
See Kathy H. Fitzpatrick, CZ80:Nov 80:1406

Bradley, Jeffrey B.
Dsc, with Karl W. Eriksen, TN: HY4:Apr 80:624: 15301, of "Uncertainty in Step-Backwater Analyses", TN: HY5:May 79:617:14555

Bradshaw, Joel C.
See Siegfried M. Holzer, ST1:Jan 79:17:14303

Braestrup, Mikael W.
Dome Effect in RC Slabs: Elastic-Plastic Analysis, with C. T. Morley, ST6:June 80:1255:15502
TR:145:680
Dome Effect in RC Slabs: Rigid-Plastic Analysis, ST6:June 80:1237:15501
TR:145:680
Dsc, with Jesper F. Jensen and Mogens P. Nielsen, ST3:Mar 79:690:14404, of "Towards a Rational Theory for RC Members in Shear", ST4:Apr 78: 649:13697
Dsc, ST6:June 80:1375:15446, of "Concrete Reinforcing Net: Optimum Slip-Free Limit Design", ST2:Feb 79:327:14344

Brahma, Chandra S.
Dsc, GT10:Oct 79:1260:14867, of "Temporary Tunnel Support by Artificial Ground Freezing", GT10:Oct 78:1257:14108
Dsc, GT10:Oct 79:1266:14867, of "Effects of Stress History on Deformation of Sand", GT11:Nov 78: 1371:14170

Brajdic, Anthony J.
Dsc, CE:July 79:33, on 1977 Clean Air Act: Cheapest Way to Clean Up the Environment?, CE: Mar 79:85

Brand, Daniel
Dsc, UT79A:July 79:187, of "Improved Local Resource Allocation", UT79A:July 79:179

Brandl, Heinz
Dsc, TN: GT6:June 80:731:15443, of "New Approach to Predict Lime Reactivity of Soils", TN: GT4:Apr 79:563:14476
Dsc, GT6:June 80:738:15443, of "Lime Columns—A New Foundation Method", GT4:Apr 79:539:14543

Brandow, George E.
Ten are Elevated to ASCE Honorary Membership, CE:Oct 80:141

Brangan, Eoghan C.
Dsc, TE3:May 80:368:15381, of "Neighborhood Traffic Controls", TE3:May 79:213:14558

Branthoover, Gerald L.
See Bruce M. Camlin, TE1:Jan 79:31:14292

Bras, Rafael L.
The Benefits of Uncertainty: Probability in Short and Long Term Hydrologic Forecasting, EFHYF:Mar 79:141

Braslau, David
See Raymond W. Thron, CAAA:Nov 79:215

Brassow, Carl L.
See Richard A. Pearce, GTDF:80:331
See Syed Ahmed, Preprint No.80-050, Apr 80, 23pp.

Brauns, Josef
Safety against Slip in Inclined Base of Slope Toes, TN: GT10:Oct 80:1158:15724

Bray, Dale I.
Armored Versus Paved Gravel Beds, with Michael Church, TN: HY11:Nov 80:1937:15791
Estimating Average Velocity in Gravel-Bed Rivers, HY9:Sept 79:1103:14810
Dsc: Fred W. Blaisdell, HY9:Sept 80:1551:15663; A. Rylands Thomas, HY10:Oct 80:1697:15721; Vidhan C. Agarwal, Kittur G. Ranga Raju and Ramachandra J. Garde, HY10:Oct 80:1699: 15721
TR:145:426

Brebbia, Carlos A.
Boundary Elements in Stress Analysis, with Roberto Nakaguma, EM1:Feb 79:55:14338
TR:145:127

Bredenberg, Hakan
Bearing Capacity of Steel Core Piles, with Bengt B. Broms, GTDF:80:48

Breitung, Karl
Dsc, with Rudiger Rackwitz, TN: ST7:July 80:1663: 15513, of "Sum of Independent Gamma Live Loads Model", TN: ST8:Aug 79:1701:14730

Brekke, Tor L.
See Gregory E. Korbin, GT8:Aug 78:1091:13948

Brennan, Paul J.
Multiple Configuration Curved Bridge Model Studies, with James A. Mandel, ST5:May 79:875:14585
TR:145:269

Brennan, Thomas S.
See Robert L. Smith, Jr., TE1:Jan 80:85:15123

Bresler, Boris
Practical Evaluation of Structural Reliability, with John M. Hanson, C. D. Comartin and S. E. Thomasen, Preprint No.80-596, Oct 80, 10pp.
Response of Steel Buildings, with Robert Iding, Preprint No.80-595, Oct 80, 13pp.
See Zuhayr Nizamuddin, ST8:Aug 79:1653:14784
See Joseph M. Plecnik, ST1:Jan 80:99:15141

Brett, T. Maxwell
Head-Loss Measurements on Hydroelectric Conduits, HY1:Jan 80:173:15109
Errata: HY12:Dec 80:2075:15866
TR:145:531

Brewster, Kenneth L.
See Frank L. Kudrna, WR1:Mar 80:43:15232

Briant, Clyde L.
Awards for 1980 to be given this Month: Noble Prize, CE:Oct 80:148

Bridge, Russell Q.
Composite Columns Under Sustained Load, ST3:Mar 79:563:14442
TR:145:208

Brinkman, Charles P.
Safety Studies Related to RRR Projects, Preprint No.80-607, Oct 80, 10pp.

Brinkmeyer, Scott L.
Offshore Construction: Considerations for Self-Sufficiency and General Site Design, Preprint No.80-178, Apr 80, 28pp.

Briscoe, Katheryn
Strategy Evaluation — Minnesota Small Urban Areas, CAAA:Nov 79:11

Britain, Kenneth Edward
Memoir of, TR:145:743

Brittle, William F.
Planning of Utilities for Power Plant Construction, Preprint No.80-178, Apr 80, 12pp.

Brocard, Dominique N.
Mathematical Model for Staged Diffuser Discharge, with Charles H. Beauchamp and Shih-Kuan Hsu, HYCO:Aug 80:154
Dsc, HY10:Oct 80:1723:15721, of "Staged Multiport Diffusers", HY2:Feb 80:285:15185
See Charles H. Beauchamp, EM81:Jan 81:46

Brock, Robert J.
Problems Facing Alaska Outer Continental Shelf Resource Development, with Raymond R. Emerson and Gordon M. Euler, CZ80:Nov 80:1112

Brockenbrough, Roger L.
Strength of Connection with Buried Discontinuity, with Ronald W. Frost and Geerhard Haaijer, ST11: Nov 80:2185:15800

Brockway, Charles E.
Frequency Analysis of Snow Course Data, with H. F. Mayland, IRKB:July 80:368
Problems in Applying Optimal Irrigation Plans, with Richard G. Allen, WR1:Mar 80:255:15277
TR:145:538
See Clarence W. Robison, IRKA:July 80:422

Brody, Otto
Effect of Design on Economy of Aerobic Digestion, EE2:Apr 79:383:14547
Errata: EE3:June 80:671:15441
TR:145:4
Estimating Supporting Strength of Flexible Pipes, TE4:July 79:473:14716
TR:145:347

Broms, Bengt B.
Lime Columns—A New Foundation Method, with Per Boman, GT4:Apr 79:539:14543
Dsc: Heinz Brandl, GT6:June 80:738:15443
Clo: GT6:June 80:740:15443
TR:145:364
Soil Sampling in Europe: State-of-the-Art, GT1:Jan 80:65:15149
TR:145:651
See Hakan Bredenberg, GTDF:80:48

Bronowicki, Allen J.
Structural Damping In The Time Domain, EM81:Jan 81:833

Bronson, Wallace A.
See E. Allan Cassell, EE80:July 80:620

Brooks, Harold K.
See Byron E. Ruth, TE6:Nov 80:661:15835

Brooks, Royal H.
See Charles Su, IR2:June 80:105:15483

Brotherton, Robert H.
See George R. Brower, EE80:July 80:472

Broughton, Robert S.
See Ashim K. Bhattacharya, IR1:Mar 79:71:14433

Brower, David J.
Beach Access Problems, Programs and Progress, CZ80:Nov 80:1697

Brower, George R.
Storm Water Treatment with Minor Plant Alterations, with Robert H. Brotherton and John B. Kincaid, EE80:July 80:472

Brown, A. Jean
See Albert Rango, HY1:Jan 79:53:14326
See Jack F. Hannaford, Preprint No.80-071, Apr 80, 21pp.

Brown, Bobby J.
Use of "CORPS" for Hydraulic Design, with John J. Ingram, HYCO:Aug 80:240

Brown, Colin B.
Entropy Constructed Probabilities, EM4:Aug 80:633: 15635
A Fuzzy Safety Measure, EM5:Oct 79:855:14915
Dsc: Robert E. Melchers, EM4:Aug 80:856:15583
TR:145:435
The Merging of Fuzzy and Crisp Information, EM1: Feb 80:123:15201
Dsc: James T.P. Yao, EM6:Dec 80:1451:15865; David G. Elms, EM6:Dec 80:1452:15865
TR:145:547

Brown, David B.
A Problem Identification and Evaluation System, HW80:Mar 80:61

Brown, Edwin T.
See Evert Hoek, GT9:Sept 80:1013:15715

Brown, Elmer
The Vehicle Operator in the Safety Equation, HW80: Mar 80:29

Brown, Graham J.
Lime Use in Anaerobic Filters, with Kuran-Chow Lin, Robert C. Landine, Albert A. Cocci and Thiruvenkatachari Viraraghavan, TN: EE4:Aug 80: 837:15588

Brown, J. Crozier
Recommended Procedure for Computer Selection, TC2:Dec 79:319:15071
TR:145:485

Brown, James H.
Water System Improvement Program in Eugene, Oregon, Preprint No.80-014, Apr 80, 15pp.
Water System Improvement Program in Eugene, Oregon, TE6:Nov 80:685:15839

Brown, John C.
See Clarence M. Skau, IRKB:July 80:418

Brown, Levi A.
Political Aspects of Urban Stormwater Management, WR1:Mar 80:265:15268
TR:145:486
Dsc, WR2:July 80:572:15515, of "Voter Reaction to Multiple-Use Drainage Projects", WR2:Sept 79:295: 14843

Brown, Linfield C.
Proposed Modifications of K_2—Temperture Relation, with Michael K. Stenstrom, TN: EE6:Dec 80:1193: 15869

Brown, Lynn A.
See James M. Tolle, CE:June 79:78

Brown, Peter T.
See Terence J. Wiesner, GT7:July 80:767:15576

Brown, Ralph E.
See John S. Jones, GT10:Oct 78:1257:14108

Brown, Robert L.
Proposed Manual on Selection of Map Uses, Scales, and Accuracies for Engineering and Associated Purposes: Map Availability—Chapter VI, SU1:Nov 80:149:15856

Brown, Russ T.
Modeling Hourly Water Temperature Dynamics, HYCO:Aug 80:25

Brown, Russell H.
Dsc, ST3:Mar 80:747:15227, of "Shear Strength of Concrete Masonry Joints", ST7:July 79:1227:14670
Dsc, ST9:Sept 80:1998:15665, of "Differential Movement in Composite Load-Bearing Masonry Walls", ST7:July 79:1277:14666

Brown, Stephen F.
See Knut H. Andersen, GT5:May 80:499:15434

Brown, Stuart M.
Overland/Instream Contaminant Migration Modeling, with Yasuo Onishi, HYCO:Aug 80:397

Browne, Lee
The Making of Minority Engineers, CE:Oct 80:131

Browning, Bruce
See Nona B. Dennis, CZ80:Nov 80:1939

Brownlee, Roland H.
Remote Sensing that Motivated Community Action, with James P. Scherz and James M. Dennis, AS80: Aug 80:60

Brownlie, William R.
Dsc, HY3:Mar 80:473:15225, of "Velocity Profiles and Minimum Stream Power", HY8:Aug 79:981: 14780

Bruce, John R.
Earthquake Simulation Using Contained Explosions, with Herbert E. Lindberg, EM81:Jan 81:111

Bruce, John S.
The Ethics of Maintaining Continued Professional Competence, EI2:Apr 79:85:14545
TR:145:264

Bruck, H. W.
See E. A. Deakin, CAAA:Nov 79:357

Brucy, Francoise
See Serge Leroueil, GT6:June 79:759:14657

Brumitt, Ernest W.
Alyeska — Crude Loading Port, with David G. Dixon, PO80:May 80:218

Bruneau, Louis W.
The Impact of Various Service Level Policies on Pavements in Portland, Preprint No.80-088, Apr 80, 10pp.

Brungraber, Robert J.
See Jai B. Kim, GT5:May 79:643:14571

Brush, Don O.
Prebuckling Rotations and Cylinder Buckling Analysis, EM2:Apr 80:225:15332
TR:145:623

Bruun, Per Moller
The Wave Pump: Conversion of Wave Energy to Current Energy, with Gisli Viggosson, WW4:Nov 77:449:13317
Dsc: Edward B. Thornton, WW4:Nov 78:459: 14122; Soren Kohlhase and Udo Berger, WW1: Feb 79:98:14357
Clo: WW4:Nov 79:477:14940
TR:145:24
Dsc, WW4:Nov 80:504:15789, of "Inlet Stability Solutions for Tributary Inflow", WW4:Nov 79:355: 14964

Bryant, Rick
See Colin R. Thorne, TN: GT11:Nov 80:1269:15790

Buchanan, George R.
See J. T. Scardina, CP80:June 80:430

Buchanan, Spencer J.
Keynote Address, SLS:June 80:661

Buchert, Kenneth P.
See Peter M. McMahon, ST3:Mar 79:547:14443

Buck, Charles E.
See Douglas S. Walsh, EE4:Aug 80:711:15601

Buck, Peter L.
Resolution of Shoreline Disputes, with Jeffrey A. Layton, CZ80:Nov 80:1058
See Jeffrey A. Layton, CZ80:Nov 80:1998

Buckhouse, John C.
Riparian Response to Certain Grazing Management, IRKB:July 80:573

Buckland, Peter Graham
Commentary on Design Loads for Bridges, Preprint No.80-173, Apr 80, 73pp.
Proposed Vehicle Loading of Long-Span Bridges, with Frank P.D. Navin, Jim V. Zidek and John P. McBryde, ST4:Apr 80:915:15306
TR:145:618
Recommended Design Loads for Bridges, Preprint No.80-173, Apr 80, 20pp.
Suspension Bridge Vibrations: Computed and Measured, with Roy Hooley, Brian D. Morgenstern, Johann H. Rainer and Aegide M. van Selst, ST5:May 79:859:14557
Dsc: Hassan I.A. Hegab, ST6:June 80:1383:15446
TR:145:259
Dsc, ST2:Feb 78:379:13508, of "History and Esthetics in Suspension Bridges", ST8:Aug 77:1655: 13143

Buckley, Frank T., Jr.
Energy Conservation Through Improved Aerodynamics, MGC:July 80:160

Buehler, Bob
Dsc, TN: HY4:Apr 79:440:14472, of "Risk of Catastrophic Failure of Major Dams", TN: HY9: Sept 78:1349:13984
Dsc, HY1:Jan 80:215:15097, of "Interstorm Relations in Pacific Northwest", HY12:Dec 78:1577:14255

Buer, Koll Y.
See Ralph G. Scott, Jr., IRKB:July 80:406

Bulkley, Jonathan W.
Policy Making: Pluralistic Simulation Model, TC1: Aug 80:93:15602

Bulusu, K. R.
Dsc, with B. N. Pathak, EE2:Apr 80:466:15296, of "Water Defluoridation with Activated Alumina", EE2:Apr 79:357:14544

Bunce, Barrett T.
See Gerard C. Pardoen, EM81:Jan 81:164

Bundy, Mark M.
Maryland's Coastal Fisheries Program: An Overview, CZ80:Nov 80:931

Burati, James L., Jr.
See H. Randolph Thomas, Jr., TE3:May 80:317:15418
See H. Randolph Thomas, Jr., CO2:June 80:101:15481
See H. Randolph Thomas, Jr., CO2:June 80:117:15480
See H. Randolph Thomas, Jr., CO3:Sept 80:327:15703

Burby, Raymond J.
See Steven P. French, CZ80:Nov 80:1204

Burckardt, John F.
Dsc, CE:Sept 79:36, on Nuclear Wastes: Safe Way to Dispose Them Underground Forever, CE:May 79:72

Burda, T. J.
See Yun Jui Tsai, HYUS:June 80:255

Burdette, Edwin G.
Ductility Ratio for Slabs, with Dennis Bernal, ST11:Nov 78:1741:14131
Dsc: James F. Costello and Romuald E. Lipinski, ST11:Nov 79:2474:14936
Clo: ST9:Sept 80:1987:15665
TR:145:115

Burges, Stephen J.
Water Resource Systems Planning in U.S.A.:1776-1976, WR1:Mar 79:91:14417
Dsc: Harry Wiersema, WR1:Mar 80:369:15228
Clo: WR1:Mar 80:370:15228
TR:145:103
See Syver Froise, WR1:Nov 78:75:14159
See Kiyoshi Hoshi, HY1:Jan 79:27:14331

Burgess, Harold J.
Dsc, ST4:Apr 79:810:14473, of "Racking Strength of Light-Frame Nailed Walls", ST7:July 78:1131:13876

Burgess, Michael D.
See Colin O'Connor, ST1:Jan 80:331:15107

Burke, Dennis A.
See Preston S. Chiaro, EE1:Feb 80:177:15206

Burke, Dock
See C. Michael Walton, MGC:July 80:105

Burke, Michael
See Manes Barton, ASDC:80:346

Burke, Michael G.
See Charles F. Connors, PO80:May 80:172

Burkham, Durl E.
Dsc, with David R. Dawdy and Harry H. Barnes, Jr., HY6:June 80:1132:15444, of "Flow Resistance in Cobble and Boulder Riverbeds", HY5:May 79:477:14576

Burley, Eldon
See Andreas Andreadis, TN: GT7:July 78:1033:13867

Burlingame, Michael J.
See Robert M. Koerner, GT11:Nov 79:1301:14989

Burman, Brian C.
See Maxwell C. Ervin, GT4:Apr 80:477:15300

Burnash, Robert J.C.
Contamination in the Hydrologic Data Base, with R. Larry Ferral, EFHYF:Mar 79:303

Burnes, John A.
Dsc, EE3:June 79:615:14597, of "Lake Process Models Applied to Reservoir Management", EE5:Oct 78:981:14100

Burney, Louis C.
Shuttle Diplomacy and the Other Side of Coastal Management, CZ80:Nov 80:1002

Burnham, W. L.
See Jack E. Kelly, Preprint No.80-157, Apr 80, 8pp.

Burns, Anthony
Coastal Management Planning in Anchorage, Alaska, CZ80:Nov 80:1750

Burns, Heather L.
See Lawrence B. Cahill, EE80:July 80:191

Burns, Joseph P.
Future Activities in Engineering Surveying, SU1:Nov 79:11:14950
TR:145:418

Burns, Lawrence A.
Nutrient-Uptake Model in Marsh Ecosystems, with R. Bruce Taylor, III, TC1:Apr 79:177:14540
TR:145:306

Burroughs, Max A.
Gabions: Economical, Environmentally Compatible Erosion Control, CE:Jan 79:58
TR:145:28

Burtch, Chauncey E.
Concept to Commissioning: How Risky the Trip?, CRLS:Jan 79:1-7

Burton, Kit R.
Storr..ater Detention Basin Sizing, TN: HY3:Mar 80:437:15229

Busch, A. C.
Studying Route Structures in the Pacific, with R. Woodruff, MGC:July 80:55

Butler, Kent S.
Managing Barrier Islands: Role of Local Government, with Kathryn N. Nichols and Ray Quay, CZ80:Nov 80:2036
See Valinda Parker, CZ80:Nov 80:1010

Butler, R. C.
See Mark C. Anderson, EE80:July 80:378

Buyukozturk, Oral
See Clarence W. deSilva, ST1:Jan 79:35:14304
See Michael N. Fardis, EM2:Apr 79:255:14507
See Michael N. Fardis, ST6:June 80:1311:15463

Buzek, John R.
See Howard I. Epstein, ST5:May 78:735:13740

Buzzell, Donald A.
Trends in Engineer Registration—Sunset Review: How to Survive?, Preprint No.80-508, Oct 80, 14pp.

Byer, Philip H.
Choosing Objectives in Transportation Planning, with David Saunders, TE1:Jan 79:91:14307
TR:145:109

Byers, Jack G.
Treatment of Expansive Clay Canal Lining, SLS:June 80:401

Byers, William G.
Structural Details and Bridge Performance, ST7:July 79:1393:14678
Dsc: Julius G. Potyondy, ST8:Aug 80:1826:15586
TR:145:344

Byeseda, John J.
High-Rate Filtration in Polymer-Treated Sand Bed, with Nicholas D. Sylvester, EE2:Apr 79:231:14525
Dsc: Ahmet M. Saatci and Charles Oulman, EE2: Apr 80:463:15296
Clo: EE5:Oct 80:1004:15717
TR:145:299

Byrd, Lloyd G.
Deferred Maintenance — Opportune or Optimum Strategy, Preprint No.80-123, Apr 80, 20pp.

Byrne, Roxanne M.
See Benjamin Donsky, HY6:June 79:661:14637

Cables, Herbert S.
Coastal Management Policy Emphasis in an Urban National Recreation Area, with John T. Tanacredi, CZ80:Nov 80:213

Cackette, Thomas
Developments in Motor Vehicle Inspection/ Maintenance, with Philip Lorang and David Hughes, CAAA:Nov 79:76

Cahill, Lawrence B.
Sewage Treatment Costs: Assessing the Impact on Communities, with Heather L. Burns, EE80:July 80:191

Cain, Christopher B.
Process and Design Considerations for a 90 MPGD Wastewater Reclamation Plant, with John W. Luesener and Egon Lazarus, Preprint No.80-155, Apr 80, 22pp.

Cairns, Cynthia A.
See Richard I. Dick, EE1:Feb 79:177:14352

Calabrese, Mark M.
Optimization of Stormwater Management Practices, HYUS:June 80:183

Calabretta, Victor V.
New Foundation System for Granite Seawall, with Peter Sullivan, PO80:May 80:807

Caldwell, Kenneth C.
Guaranteeing Public Access in Publicity-Funded Shoreline Projects, CZ80:Nov 80:1397
Response to a Changing Coastal Environment, CZ80: Nov 80:1228

Calhoun, J. C.
Impact of Future Vehicle Technology on I/M Programs, with G. F. Blass, CAAA:Nov 79:103

Callahan, Gary D.
See Paul F. Gnirk, Preprint No.80-164, Apr 80, 22pp.

Callahan, William F.
See John R. Elwood, EE80:July 80:464

Cambefort, Henri
Dsc, GT1:Jan 78:154:13449, of "Foundation Performance of Tower of Pisa", GT3:Mar 77:227: 12814

Cameron, Clemence L.
Bintulu Malaysia LNG Project, with Samuel P. Lin, PO80:May 80:455

Cameron, George R.
A Specialized Processor for Structural Analysis, CP80:June 80:267

Camlin, Bruce M.
Cut Slope Stabilization Using Rock Bolts, with Gerald L. Branthoover and James W. Richards, TE1:Jan 79:31:14292
TR:145:85

Campbell, Frank C.
Dsc, CE:Dec 79:33, on Toxic Chemicals in New Jersey's Environment: Cancer Link?, CE:Sept 79:74

Campbell, Jay
See H. M. Freeman, EE80:July 80:598

Campbell, Keith
See Richard Jack Christopher, IRKA:July 80:280

Campbell, Kenneth W.
Reliability in Lifeline Earthquake Engineering, with Ronald T. Eguchi and C. Martin Duke, TC2:Dec 79:259:15022
TR:145:365

Campbell, Roger J.
Portland District's Experience with Inertial Survey, Preprint No.80-028, Apr 80, 11pp.

Campbell, Thomas J.
Planning for Beach Restoration in South Florida, with Richard Spadoni, Kim Beachler and John Morgan, Preprint No.80-670, Oct 80, 8pp.

Canale, Raymond P.
See Paul L. Freedman, EE5:Oct 79:867:14885
See Paul L. Freedman, EE2:Apr 80:335:15355

Canales-Ruiz, Roberto
Optimal Design of Gravity Flow Water Conduits, HY9:Sept 80:1489:15714

Cannon, Bruce
Energy Considerations in Highway Planning and Finance, Preprint No.80-090, Apr 80, 22pp.

Canter, Larry W.
Advising Non-CE Students in Graduate Programs, EI1:Jan 78:9:13466
Dsc: David W. Hendricks, EI1:Jan 79:50:14267
Clo: EI4:Oct 80:423:15718
TR:144:215

Carballada, Luis
Dsc, IR4:Dec 79:437:15010, of "Generalized Stability Analysis of Channel Banks", IR4:Dec 78:343:14228
See Amruthur S. Ramamurthy, IR4:Dec 78:399: 14252
See Amruthur S. Ramamurthy, IR1:Mar 80:9:15285

Cardinal, Robert J.
Matrix Management May Meet Your Needs for the 80s, EI1:Jan 80:27:15157
TR:145:518

Cardwell, Rick D.
Fish, Flushing, and Water Quality: Their Roles in Marina Design, with Ronald E. Nece and Eugene P. Richey, CZ80:Nov 80:84

Carefoot, Jack M.
See Martin Oosterveld, IR2:June 79:197:14646

Carlin-Smith, H. R.
Design and Construction of the Greenborough Footbridge, MGC:July 80:290

Carman, John H.
History of NICE, Inc., Preprint No.80-602, Oct 80, 6pp.

Carmody, Thomas
See David W. Fonken, IR3:Sept 80:203:15694

Carney, John F., III
See Carl T. Dyka, EM3:June 79:361:14638
See M. A. Tucchio, EM81:Jan 81:658

Carpenter, Carl H.
Dsc, CE:May 80:28, on Winter Roof Collapses: Bad Luck or Bad Design?, CE:Dec 79:42

Carpenter, William C.
Analysis of Geodesic Panel Domes, with G. Gonzalez and J. Platz, Preprint No.80-538, Oct 80, 13pp.

Carr, Athol J.
See Peter J. Moss, ST10:Oct 79:2019:14932
See Gerard C. Pardoen, EM81:Jan 81:29

Carr, F. Robert
See Darryl R. Goehring, WR1:Mar 80:89:15278

Carr, Robert I.
Simulation of Construction Project Duration, CO2: June 79:117:14607
Dsc: Haim Schlick, CO2:June 80:233:15440
TR:145:322

Carriker, Roy R.
See Gary D. Lynne, IR3:Sept 79:221:14814

Carrillo-Gil, A.
Construction and Design of Light Structures in Peru, SLS:June 80:469

Carroll, Benigna S.
See Samuel Silberstein, Preprint No.80-657, Oct 80, 11pp.

Carroll, Dick
Washington I-205 — A Community Project, Preprint No.80-121, Apr 80, 16pp.

Carroll, John J.
Slow Trend for Asphalt with H_2O, with Donald M. Harriott, CE:Oct 79:76
TR:145:437

Carroll, Michael M.
Compaction of Dry or Fluid-Filled Porous Materials, EM5:Oct 80:969:15773

Carroll, R. G., Jr.
Dsc, CE:Nov 80:26, on How about Reverse Filters, CE:Apr 80:78

Carroll, Thomas R.
Airborne Snow Survey Using Natural Gamma Radiation, with Kenneth G. Vadnais, ASDC:80:1

Carskaddan, Phillip S.
Dsc, with Geerhard Haaijer, ST10:Oct 80:2129: 15722, of "Practical Bridge Code Calibration", ST12:Dec 79:2497:15061
See Geerhard Haaijer, Preprint No.80-519, Oct 80, 14pp.

Carson, Brent
The Puget Sound Air Quality Planning Process, with Max S. Power, CAAA:Nov 79:382

Carson, Hugh T.
The Impacts of the Resource Conservation and Recovery Act on Wood Fired Energy Systems, with Dennis W. Weeter, EE80:July 80:508

Carter, David L.
The Impact of Irrigation on Ground Water Quality, IRKA:July 80:13

Carter, John P.
Dsc, with Mark F. Randolph, GT8:Aug 79:993: 14722, of "New Aspects of Soil Fracturing in Clay", GT8:Aug 78:1109:13961

Carter, Mark J.
See Richard G. Luthy, EE1:Feb 80:81:15171

Carter, R. W.G.
Gravel Barrier Genesis and Management: A Contrast, with J. D. Orford, CZ80:Nov 80:1304

Carter, Virginia
Submersed Aquatic Vegetation in the Tidal Potomac, with James E. Paschal, Jr. and G. Michael Haramis, CZ80:Nov 80:1537

Cartwright, Keros
Summary: Geologic Considerations in Hazardous-Waste Disposal, with Robert H. Gilkeson and Thomas M. Johnson, Preprint No.80-624, Oct 80, 5pp.

Carucciol, Frank T.
The Occurrence and Prediction of Acid Drainage, with Gwendelyn Geidel and Mike Pelletier, Preprint No.80-658, Oct 80, 14pp.

Caruso, Vincent M.
Computer Modeling of the Great Dismal Swamp, with James E. Paschal, Jr., CZ80:Nov 80:2308

Carvey, David G.
Hydrologic/Economic Systems in Watershed Research, with James G. Robb, IRKB:July 80:1036

Casagrande, Arthur
Dsc, GT6:June 80:725:15443, of "Liquefaction Potential: Science Versus Practice", GT3:Mar 79: 393:14418

Caselton, William F.
Hydrologic Networks: Information Transmission, with Tahir Husain, WR2:July 80:503:15572

Casey, J. Joseph
Identification and Nature of Risks in Construction Projects — A Contractor's Perspective, CRLS:Jan 79:1-17

Casper, Jay W.
Remote Sensing Study of Sinkhole Occurrence, with Byron E. Ruth and Janet D. Degner, AS80:Aug 80: 1

Cassagnol, Claude L.
See Harvey H. Harper, Preprint No.80-599, Oct 80, 11pp.

Cassell, E. Allan
Spray Application of Wastewater Effluent in a Cold Climate: Performance Evaluation of a Full-Scale Plant, with Donald W. Meals, J. R. Bouzoun, C. James Martel and Wallace A. Bronson, EE80:July 80:620

Cassell, John K.
Marine Sanctuaries, A Controversial Concept, CZ80: Nov 80:1959

Cassella, Stephen R.
See Thomas M. Leschine, CZ80:Nov 80:1789

Cassidy, John J.
Session I—Analytic Techniques in Hydrology—State-of-the-Art, EFHYF:Mar 79:414
Dsc, TN: HY10:Oct 79:1319:14868, of "Risk of Catastrophic Failure of Major Dams", TN: HY9: Sept 78:1349:13984

Castel, Aloysius Kweku
New Approach to Predict Lime Reactivity of Soils, with Kandiah Arulanandan, TN: GT4:Apr 79:563: 14476
Dsc: Heinz Brandl, TN: GT6:June 80:731:15443

Castellano, Leonardo
See Giorgio Dinelli, HY3:Mar 79:197:14422

Castro, Gonzalo
Factors Affecting Liquefaction and Cyclic Mobility, with Steve J. Poulos, GT6:June 77:501:12994
Dsc: Stanley J. Johnson, GT5:May 79:691:14549
Clo: GT2:Feb 80:211:15160
TR:145:18

Caughey, Thomas K.
See Sami F. Masri, EM81:Jan 81:794

Cavagnaro, R. L.
Dsc, CE:May 80:24, on Nuclear Testing of Utility Trench Backfill, CE:Nov 79:68

Caves, Joel L.
SIND Modeling for Unsteady Flow Assessments, with Robert L. Johnson, HYCO:Aug 80:281

Cavounidis, Spyros
Hypothesis for Progressive Failure in a Marl, with Elias Sotiropoulos, GT6:June 80:659:15505
TR:145:730
See Elias Sotiropoulos, CO4:Dec 80:585:15890

Cecilio, Catalino B.
Session V—Power Forecasting, EFHYF:Mar 79:424

Cedolin, Luigi
See Zdenek P. Bazant, EM2:Apr 79:297:14529
See Zdenek P. Bazant, FIC:Oct 80:28
See Zdenek P. Bazant, EM6:Dec 80:1287:15917

Celikkol, Barbaros
See M. Robinson Swift, HY7:July 79:785:14682

Cenedese, Antonio
Optimal Design of Water Distribution Networks, with Paolo Mele, HY2:Feb 78:237:13568
Dsc: Vance C. Lischer, HY1:Jan 79:113:14270
Clo: HY3:Mar 80:449:15225
TR:145:31

Ceradini, Giulio
Dynamic Shakedown in Elastic-Plastic Bodies, EM3: June 80:481:15471
TR:145:673

Cermola, Joseph A.
SWMM Application to Combined Sewerage in New Haven, with Sergio DeCarli, Dev R. Sachdev and Hassan M. El-Baroudi, EE6:Dec 79:1035:15042
TR:145:562

Cesario, A. Lee
Land Use and Water System Planning, SU80:June 80:153

Chacho, Edward
See James Milligan, IRKB:July 80:430
See Myron Molnau, IRKB:July 80:877

Chae, Yong S.
Dsc, GT7:July 79:907:14661, of "Parameter Effects on Dynamic Properties of Frozen Soils", GT10:Oct 78:1289:14109
See Wing-Cheong Au, GT3:Mar 80:255:15287

Chai, Purshotam L.
Hydro Expansion Studies at Holtwood and Safe harbor, with William N. Strobel, EY2:Aug 79:265: 14771
TR:145:420

Chajes, Alexander
Stability of Guyed Towers, with Wen-Sen Chen, ST1: Jan 79:163:14327
Dsc: B. P. Mallikarjuna, ST1:Jan 80:362:15098
Clo: ST9:Sept 80:1990:15665
TR:145:164

Chakrabarti, Satyananda
Heat Conduction in Plates by Finite Strip Method, EM2:Apr 80:233:15328
TR:145:614

Chakrabarti, Subrata K.
Inline Forces on Fixed Vertical Cylinder in Waves, WW2:May 80:145:15403
TR:145:729
Laboratory Generated Waves and Wave Theories, WW3:Aug 80:349:15644
Motion Analysis of Articulated Tower, with Dennis C. Cotter, WW3:Aug 79:281:14766
TR:145:477
Ocean Wave Statistics for 1961 North Atlantic Storm, with Ralph P. Cooley, WW4:Nov 77:433: 13320
Dsc: Paul E. Vandall, Jr., WW4:Aug 78:352: 13912; Jurjen A. Battjes, WW4:Nov 78:461: 14122
Clo: WW1:Feb 80:131:15163
TR:145:43
Steady and Oscillating Drift Forces on Floating Objects, WW2:May 80:205:15390
TR:145:719
Transverse Motion of Articulated Tower, with Dennis C. Cotter, WW1:Feb 80:65:15178
TR:145:684
Wave Forces on Multiple Vertical Cylinders, WW2: May 78:147:13727
Errata: WW4:Nov 79:479:14940
TR:145:107
Dsc, WW1:Feb 79:100:14357, of "Wave Runup around Large Circular Cylinder", WW1:Feb 78:69: 13563
Dsc, WW1:Feb 79:102:14357, of "Dynamic Responses of Floating Structures", WW2:May 78: 105:13769

Dsc, TN: WW2:May 79:204:14553, of "Further Tests on Ocean Wave Forces on Sphere", TN: WW1:Feb 78:83:13513
Dsc, WW2:May 79:208:14553, of "Vertical Cylinders of Arbitrary Section in Waves", WW3:Aug 78:309: 13973
See Robert A. Naftzger, WW2:May 80:157:15401

Chakraborty, Madhusudan
Ultimate Torque of Reinforced Rectangular Beams, ST3:Mar 79:653:14466
Dsc: Himat T. Solanki, ST1:Jan 80:369:15098
Clo: ST9:Sept 80:1992:15665
TR:145:237

Chalabi, A. Fattah
An Interactive Construction Control System for Project Planning and Estimating, with Thomas W. Staehr and Rafael Lai, CP80:June 80:140
An Interactive Software System for Competency and Project Oriented Civil Engineering Education, CP80:June 80:406
What the Construction Industries Think of Metrication?, with Frank E. Vanzler, Preprint No.80-513, Oct 80, 13pp.

Chalk, Philip L.
Probability Model for Design Live Loads, with Ross B. Corotis, ST10:Oct 80:2017:15753

Chalmers, David
See David F. Rogers, CP80:June 80:436

Chamberlain, Edwin J.
Resilient Response of Two Frozen and Thawed Soils, with David M. Cole and Thaddeus C. Johnson, GT2:Feb 79:257:14398
TR:145:312

Chamberlain, William P.
Dsc, CE:Nov 80:30, on The Concrete Canoe: A Technological Challenge, CE:Mar 80:74

Chambers, Richard E.
See Frank J. Heger, TC2:Dec 79:429:15025

Chameau, Jean-Lou
See G. Wayne Clough, Preprint No.80-175, Apr 80, 36pp.
See G. Wayne Clough, GT10:Oct 80:1081:15778

Chamot, Duane W.
See Gordon J. Serpa, CP80:June 80:357

Champlin, Jerry B.F.
Interactions of Mine and Mill Waste with Natural Earth Materials, Preprint No.80-559, Oct 80, 8pp.

Chan, Andrew K.C.
Dsc, GT12:Dec 78:1530:14194, of "Foundation Stability on Nonhomogeneous Clays", GT10:Oct 77:1083:13302

Chan, Eliseo M.
Dsc, with Russell V. Elliot, EE2:Apr 79:429:14468, of "Transient Mixing in River Channels", EE3:June 78:445:13810

Chan, Sam
Current Structural Engineering Reference Sources, ST2:Feb 80:519:15211
Dsc: J. Muriel Saul, ST10:Oct 80:2136:15722
TR:145:600

Chan, Sin-Fatt
Repeated Loading on Single Piles in Sand, with Thomas H. Hanna, GT2:Feb 80:171:15222
TR:145:671

Chan, Yupo
Classification of Urban Areas for Travel Forecasting, with Jossef Perl, TE5:Sept 79:513:14831
TR:145:370
Forecasting Housing Requirements in a College Town, with Wayne P. Rasmussen, UP1:Jan 79:9: 14299
Errata: UP2:Nov 79:175:14939
TR:145:511
Dsc, UT79A:July 79:160, of "Pricing and Revenue Yield", UT79A:July 79:144

Chanasyk, D. S.
Hydrologic Simulation of the Effects of Forest Removal, with Jacobus P. Verschuren, IRKB:July 80:452

Chander, Subhash
Flood Frequency Analysis by Power Transformation, with S. K. Spolia and Arun Kumar, HY11:Nov 78: 1495:14179
Dsc: V. M. Shaligram and V. S. Lele, HY1:Jan 80:213:15097; Krishan P. Singh, HY3:Mar 80: 462:15225
Clo: HY10:Oct 80:1689:15721
TR:145:153
Dsc, with Arun Kumar and Sushil K. Goyal, HY10: Oct 79:1321:14868, of "Stream Temperature Estimation Using Kalman Filter", HY9:Sept 78: 1257:13991
Dsc, with Arun Kumar and Sushil K. Goyal, EE1: Feb 80:247:15158, of "Stochastic Design of Flow Equilization Basins", EE6:Dec 78:1275:14251
Dsc, with Arun Kumar and Sushil K. Goyal, HY3: Mar 80:466:15225, of "Statistical Analysis of Sediment Motions on Dunes", HY3:Mar 79:213: 14438

Chandra, Umesh
Unstiffened Pipe Riser Clamps, with Pen J. Fang and Everett E. McEwen, EY2:Oct 80:113:15730

Chandran, K. B.
See Dhanjoo N. Ghista, EM1:Feb 78:97:13521

Chandrangsu, Karoon
Nonlinear Finite Element Analysis of Farm Silos, with Alfred G. Bishara, ST7:July 78:1045:13907
Dsc: Jonathan G.M. Wood, ST9:Sept 79:1865: 14795
Clo: ST7:July 80:1653:15513
TR:145:64

Chandrasekaran, V.
See Shamsher Prakash, Preprint No.80-109, Apr 80, 20pp.

Chandrashekar, M.
Extended Set of Components in Pipe Networks, HY1:Jan 80:133:15130
Dsc: Johannes Gessler, HY10:Oct 80:1722:15721
TR:145:546

Chang, Bin
See Ken P. Chong, GT5:May 79:595:14567

Chang, Ching S.
Computer Analysis of Newtown Creek Culvert, with Julio M. Espinoza and Ernest T. Selig, GT5:May 80:531:15438
TR:145:722
GEOTRACK Model for Railroad Truck Performance, with Clement W. Adegoke and Ernest T. Selig, GT11:Nov 80:1201:15819
Dsc, EM3:June 80:583:15442, of "Improved Stress Analysis for Cross-Tie Tracks", EM4:Aug 79:539: 14752

Chang, Chin-Hao
Buckling of Axially Compressed Conical Shells, with Lester Katz, EM3:June 80:501:15473
TR:145:679

Chang, Eugene
Application of a Consistent Vortex Scaling Law, HYCO:Aug 80:272

Chang, Howard H.
Geometry of Gravel Streams, HY9:Sept 80:1443:15678
Geometry of Rivers in Regime, HY6:June 79:691:14640
TR:145:352
Stable Alluvial Canal Design, HY5:May 80:873:15420
TR:145:687

Chang, James C.H.
Structural Control Using Active Tuned Mass Dampers, with Tsu T. Soong, EM6:Dec 80:1091:15882

Chang, James Yao-Ching
Traffic Conflict Technique in Tainan, Taiwan, TE1:Jan 80:99:15153
TR:145:563

Chang, Mingteh
Nitrogen Yields and Land Use in Southern Streams, with Jack D. McCullough and Frank A. Roth, II, IRKB:July 80:951

Chang, Nien Y.
See Tien H. Wu, GT7:July 78:889:13891
See Elfatih M. Ali, GT6:June 80:593:15487

Chang, Shin
See Leo R. Beard, HY6:June 79:647:14623

Chang, Tse-Yung P.
See Wai F. Chen, EM3:June 78:691:13852
See Hiroyuki Suzuki, ST2:Feb 79:269:14366
See Wai F. Chen, ST8:Aug 79:1673:14785
See Wai F. Chen, ST4:Apr 80:751:15316

Changery, Michael
See Emil Simiu, ST4:Apr 80:809:15334

Changon, Stanley A., Jr.
Is Your Weather Being Modified?, IR1:Mar 80:37:15253
TR:145:633

Channell, James K.
See Paul Kruger, CE:Oct 80:144

Chantrill, Ralph L.
Dsc, IR4:Dec 80:377:15867, of "Irrigation Management for River-Salinity Control", IR4:Dec 79:419:15023

Chao, Jun G.
Dynamic Responses of Floating Structures, WW2:May 78:105:13769
Dsc: Subrata K. Chakrabarti, WW1:Feb 79:102:14357
Clo: WW4:Nov 79:480:14940
TR:145:143

Chao, Junn-Ling
Hydraulic Design of Flow Distribution Channels, with R. Rhodes Trussell, EE2:Apr 80:321:15317
Dsc: Henry L. Thackwell, EE6:Dec 80:1212:15864
TR:145:672
See R. Rhodes Trussell, EE4:Aug 79:796:14720

Chao, Paul C.
Tarbela Dam—Problems Solved by Novel Concretes, CE:Dec 80:58

Chaplin, John R.
Dsc, EM2:Apr 79:348:14470, of "Linear and Nonlinear Wave Action Estimates", EM2:Apr 78:319:13695

Chaplin, Theodore K.
Dsc, TC2:Dec 79:469:15012, of "Approaches to Program Correctness", TC1:Nov 78:39:14146

Chapman, David M.
Coastal Erosion Management in Auatralia, CZ80:Nov 80:2218

Chapman, Gordon A.
Offshore Airport Environmental Impacts, MGC:July 80:224

Characklis, William G.
See Philip B. Bedient, EE6:Dec 78:1087:14237
See Basil F. Picologlou, HY5:May 80:733:15421

Charlie, Wayne A.
Leachate Generation from a Sludge Disposal Area, with Richard E. Wardwell and Orlando B. Andersland, EE5:Oct 79:947:14884
Dsc: Brian W. Mar, EE3:June 80:677:15441; Amalendu Bagchi, EE5:Oct 80:1005:15717
TR:145:480
Dsc, CE:Oct 80:30, on The Zero-Energy House: The Bold Low-Cost Breakthrough that may Revolutionize Housing, CE:May 80:47

Chatterjee, Arun
Dsc, UT79A:July 79:18, of "Conference Summary", UT79A:July 79:1
Dsc, UT79A:July 79:34, of "Direct Costs of Highway Travel", UT79A:July 79:19
Dsc, UT79A:July 79:197, of "Improved Local Resource Allocation", UT79A:July 79:179

Chatterjee, M.
See Wayne W.H. Chen, CP80:June 80:197

Chatterjee, S. S.
Submerged Horizontal Jet over Erodible Bed, with S. N. Ghosh, HY11:Nov 80:1765:15820

Chaturvedi, Abinash C.
Dsc, EI1:Jan 80:69:15096, of "Is Continuing Education Worth the Effort?", EI2:Apr 79:107:14506
Dsc, WR1:Mar 80:368:15228, of "Water Resources Planning — Historical Development", WR1:Mar 79:9:14410
Dsc, CO2:June 80:232:15440, of "Report on Improving Construction Arbitrations", CO1:Mar 79:1:14414

Chatwin, Philip C.
Presentation of Longitudinal Dispersion Data, HY1:Jan 80:71:15150
TR:145:567
Dsc, HY11:Nov 79:1463:14935, of "Temporal Moments for Longitudinal Dispersion", HY12:Dec 78:1617:14266

Chaudhry, M. Hanif
Dsc, HY10:Oct 79:1322:14868, of "Design Charts for Air Chamber on Pump Pipe Lines", HY9:Sept 78:1289:14024

Chaudry, A. R.
See A. S. Balasubramaniam, GT9:Sept 78:1153:14040

Chauhan, Herandra S.
See Rameshwar S. Kanwar, IR1:Mar 79:45:14458

Chawla, Amrik S.
Uplift Pressures on Hollow Gravity Dams, with Natthi Mal, HY3:Mar 79:257:14464
Dsc: Geoffrey D. Ransford, HY1:Jan 80:229:15097
TR:145:249
See Heramb D. Sharma, HY7:July 79:877:14715

Chen, Albert T.F.
See William B. Joyner, GT1:Jan 79:121:14269

Chen, Bih H.
See Shu T. Wang, HY11:Nov 79:1467:14935

Chen, C. K.
Seismic-Resistant Design Of Industrail Storage Racks, with Roger E. Scholl and John A. Blume, EM81:Jan 81:745

Chen, Cheng-lung
Dam-Break Wave Model: Formulation and Verification, with Jeffrey T. Armbruster, HY5:May 80:747:15395
TR:145:664
Laboratory Verification of a Dam-Break Flood Model, HY4:Apr 80:535:15324
TR:145:621
Dsc, HY9:Sept 80:1541:15663, of "Theory of Minimum Rate of Energy Dissipation", HY7:July 79:769:14677

Chen, Dunstan D. S.
Field Evaluation of Hammer Efficiency and Pile Driving Criteria, with James V. Toto and I. H. Wong, GTDF:80:64

Chen, Fu Hau
Legal Aspect of Expansive Soils, SLS:June 80:639

Chen, Hsuan S.
See Jing Song Wei, HYUS:June 80:205

Chen, I-Wei
See Michael P. Cleary, EM5:Oct 80:861:15769

Chen, J.-C.
Dsc, with P. N. Papanicolaou and Ericson J. List, HY10:Oct 80:1720:15721, of "Two-Dimensional Buoyant Jets in Stratified Fluid", HY11:Nov 79:1393:15003

Chen, Jeffrey J.
Plant-Scale Operation of a Biological Denitrification Filter System, Preprint No.80-586, Oct 80, 10pp.

Chen, Kenneth Y.
See Bert A. Eichenberger, EE1:Feb 80:197:15212

Chen, Michael H.
A Numerical Surge Model with Moving-Boundary Treatment, with David J. Divoky and Li San Hwang, HYUS:June 80:195

Chen, Min-Chu
See Robert T. Hudspeth, WW1:Feb 79:67:14376

Chen, Wai F.
Constitutive Models for Concrete Structures, with Edward C. Ting, EM1:Feb 80:1:15177
TR:145:503
End Effects of Pressure-Resistant Concrete Shells, with Hiroyuki Suzuki and Tse-Yung P. Chang, ST4:Apr 80:751:15316
TR:145:620
End Restraint and Column Stability, ST11:Nov 80:2279:15796
Experiments on Axially Loaded Concrete Shells, with Harshavardhan C. Mehta and Tse-Yung P. Chang, ST8:Aug 79:1673:14785
TR:145:386
Plasticity in Soil Mechanics and Landslides, EM3:June 80:443:15460
TR:145:667
Plasticity Solutions for Concrete Splitting Tests, with Tse-Yung P. Chang, EM3:June 78:691:13852
Dsc: Lutfi Raad, EM2:Apr 79:356:14470
Clo: EM6:Dec 79:1064:15007
TR:145:57
Static Behavior of Beam-to-Column Moment Connections, with K. V. Patel, Preprint No.80-179, Apr 80, 24pp.
Tensile Strength of Concrete: Double-Punch Test, with Robert L. Yuan, ST8:Aug 80:1673:15593
See Shouji Toma, ST11:Nov 79:2343:14994
See David A. Ross, ST1:Jan 80:265:15122
See Glenn P. Rentschler, Preprint No.80-179, Apr 80, 20pp.
See Glenn P. Rentschler, ST5:May 80:1005:15386
See A. F. Saleeb, Preprint No.80-605, Oct 80, 14pp.
See E. Mizuno, Preprint No.80-637, Oct 80, 14pp.
See S. S. Hsieh, FIC:Oct 80:50

Chen, Wayne W.H.
The Use of Computers in Earthquake Engineering, with M. Chatterjee, CP80:June 80:197
Dsc, GT12:Dec 78:1541:14194, of "Seismic Site Response of Nonlinear Soil Media", GT3:Mar 78:369:13597

Chen, Wen-Sen
See Alexander Chajes, ST1:Jan 79:163:14327

Chen, Yung Hai
Geomorphic Study of Upper Mississippi River, with Daryl B. Simons, WW3:Aug 79:313:14778
TR:145:510
Mathematical Modeling of Sediment Deposition in Reservoirs, with Jose L. Lopez and Everett V. Richardson, HY12:Dec 78:1605:14250
Dsc: Jean P. Chollet, HY1:Jan 80:214:15097
TR:145:170
See Victor Miguel Ponce, HY9:Sept 79:1079:14807
See Victor Miguel Ponce, HY11:Nov 79:1469:14935
See John W Labadie, WR1:Mar 80:205:15233
See Daryl B. Simons, HYCO:Aug 80:419

Chen, Yu-Tang Tom
See Loren D. Lutes, EM6:Dec 80:1111:15894

Cheney, Eric S.
Limits to Geological Fuels and Energy Options, Preprint No.80-099, Apr 80, 21pp.

Cheney, James A.
Dsc, GT9:Sept 79:1129:14792, of "Deformation and Strength Characteristics of Soft Bangkok Clay", GT9:Sept 78:1153:14040

Cheng, Alexander H-D.
See Olurinde E. Lafe, HY6:June 80:977:15467
See Henry Liu, HY6:June 80:1021:15454

Cheng, Aylmer P.
See Vasant N. Vijayvergiya, GT10:Oct 77:1069:13293

Cheng, J. D.
Hydrologic Effects of a Severe Forest Fire, IRKB:July 80:240

Cheong, Hin Fatt
See Hsieh Wen Shen, HY11:Nov 77:1303:13348

Cheong-Siat-Moy, Francois
New Interaction Equation for Steel Beam-Columns, ST5:May 80:1047:15422
TR:145:660

Cherlow, Jay R.
Improved Resource Allocation, State & Federal: How Federal Transit Aid Influences Local Decisions, UT79A:July 79:200
Dsc: Frederick Gottemoeller, UT79A:July 79:211; C. Michael Walton, UT79A:July 79:219

Chern, Chinymiim
POL Pier Damage Investigation and Recommendations, with James C. Wright, PO80: May 80:399

Cherwony, Walter
Atlantic City Gambles on Transportation, with Donna K. Silverman and Frank A. Zabawski, Preprint No.80-565, Oct 80, 12pp.
Transportation Cost Allocation Model Development, with Subhash R. Mundle, TE1:Jan 80:31:15139
TR:145:531

Chesner, Warren H.
Synfuel Facilities: Environmental Control Strategies, with Howard Wiseman, EE80:July 80:504

Chesson, Eugene
Offshore Artificial Islands — Energy Ports of the Future?, PO80:May 80:61

Chiang, Tsung Ting
See Paul G. Fischer, Jr., WR1:Mar 80:159:15279

Chiaro, Preston S.
Sediment Oxygen Demand and Nutrient Release, with Dennis A. Burke, EE1:Feb 80:177:15206
TR:145:645

Chigniev, G. D.
See Abbas Ali ogly Mustafayev, SLS:June 80:760

Chikwanha, Remigio
See Peter R.B. Ward, HY6:June 80:1041:15470

Chin, Ian R.
Review of Roof Failures in the Chicago Area Under Heavy Snow Loads, with Albert J. Gouwens and John M. Hanson, Preprint No.80-145, Apr 80, 20pp.

Chin, Kon
Dsc, WR1:Nov 78:292:14121, of "Urban Flood Management: Problems and Research Needs", WR2:Nov 77:193:13325

Chitnuyanondh, Larp
See David W. Murray, EM6:Dec 79:989:15046

Chiu, Chao-Lin
Stream Temperature Estimation Using Kalman Filter, with Emmanuel Oko Isu, HY9:Sept 78:1257:13991
Dsc: Zekai Sen, HY7:July 79:916:14662; Subhash Chander, Arun Kumar and Sushil K. Goyal, HY10:Oct 79:1321:14868
Clo: HY8:Aug 80:1405:15585
TR:145:123
Three-Dimensional Open Channel Flow, with David E. Hsiung and Hsin-Chi Lin, HY8:Aug 78:1119: 13963
Dsc: Mohamed R. Haggag, HY6:June 79:760: 14600; Steve C. McCutcheon and Richard H. French, HY7:July 79:913:14662
Clo: HY3:Mar 80:457:15225
TR:145:114

Chockalingam, S.
Dsc, ST7:July 80:1661:15513, of "Simplified Design of Corrugated Shear Diaphragms", ST7:July 79: 1365:14681

Chollet, Jean P.
Dsc, HY1:Jan 80:214:15097, of "Mathematical Modeling of Sediment Deposition in Reservoirs", HY12:Dec 78:1605:14250
Dsc, HY1:Jan 80:226:15097, of "Modeling Alluvial Channel Bed Transients", HY3:Mar 79:245:14456

Chong, Ken P.
Oil Shale Properties by Split Cylinder Method, with John Ward Smith, Bin Chang and Sigmund Roine, GT5:May 79:595:14567
Dsc: Panchanatham N. Sundaram, GT5:May 80: 587:15378
Clo: GT5:May 80:589:15378
TR:145:375
See Robert T. Gilchrist, Jr., ST1:Jan 79:175:14306

Chopra, Anil K.
Earthquake Resistant Design of Concrete Gravity Dams, ST6:June 78:953:13823
TR:145:58
See Oscar A. Lopez, EM4:Aug 79:525:14735
See Gautam Dasgupta, EM5:Oct 79:729:14888

Chopra, Prem S.
Geo-Science Related Aspects of Geopressure Energy, with Surendra K. Saxena, EY2:Aug 79:213:14745
TR:145:331

Choromokos, James, Jr.
Improving Construction Productivity, with Keith E. McKee, Preprint No.80-528, Oct 80, 22pp.

Chou, Fang-Kuo
See Gour-Tsyh Yeh, WW3:Aug 79:247:14758
See Yun Jui Tsai, HYUS:June 80:255

Choudhary, Khalid T.
See Alan D. Russell, ST1:Jan 80:283:15125

Chow, Siu-Lun
See Antonis D. Koussis, IR2:June 80:123:15494

Chow, Ven Te
See Ben Chie Yen, HY6:June 80:1055:15452

Chowdhury, M. S.K.
New Routing Model for Continuous Runoff Simulation, with F. C. Bell, HY4:Apr 80:489:15357
TR:145:641

Christensen, Bent A.
Friction Factors in Flooding Due to Hurricanes, with Raymond Walton, HYUS:June 80:265
See Raymond Walton, WW2:May 80:261:15439
See Robert M. Snyder, HYUS:June 80:119
See Raymond Walton, HYUS:June 80:142
See Ashish J. Mehta, HY11:Nov 80:1727:15795

Christensen, Michael W.
Pollution Externalities—Who Pays?, CZ80:Nov 80: 320

Christesen, Russell J.
Labor Relations Considerations on PCM Projects, with Clyde B. Tatum, Preprint No.80-174, Apr 80, 29pp.
Labor Relations Considerations on PCM Projects, with Clyde B. Tatum, CO4:Dec 80:535:15920

Christian, A. John
See James J. Sharp, EI1:Jan 80:51:15127

Christian, John T.
Probabilistic Evaluation of OBE for Nuclear Plants, with Ralph W. Borjeson and Philip T. Tringale, GT7:July 78:907:13904
Errata: GT11:Nov 79:1376:14934
TR:145:138
Probabilistic Soil Dynamics: State-of-the-Art, GT4: Apr 80:385:15339
TR:145:696
See Eduardo Kausel, GT12:Dec 79:1471:15065

Christiansen, Henry N.
MOVIE.BYU—A Computer Graphics Software System, with Michael B. Stephenson, TC1:Apr 79: 3:14484
TR:145:90
The Movie System: Low Cost General Purpose Computer Graphics Software, with B. J. Nay, CP80:June 80:1

Christianson, R.
See Harold J. Day, CE:Mar 80:78

Christie, Richard W.
Dsc, ST1:Jan 78:230:13451, of "Erection Strength Adequacy of Long Truss Cantilevers", ST1:Jan 77: 225:12698

Christodoulou, George C.
Dispersion in Two-Layer Stratified Water Bodies, with Jerome J. Connor, HY4:Apr 80:557:15342
TR:145:631

Christopher, Richard Jack
Drain Construction on The Columbia Basin Project, with Keith Campbell, IRKA:July 80:280

Chu, Kuang-Han
Railway-Bridge Impact: Simplified Train and Bridge Model, with Vijay K. Garg and Chaman L. Dhar, ST9:Sept 79:1823:14855
Dsc: Mahlon J. Plumb, ST5:May 80:1233:15380
Errata: ST4:Apr 80:940:15302, ST8:Aug 80:1832: 15586
TR:145:406
See David Chia-Chiun Ma, EM2:Apr 79:207:14508

Chu, Rolan L.
See Allen R. Overman, EE2:Apr 80:267:15321

Chu, Shih-Lung
See Anand K. Singh, EM81:Jan 81:580

Chu, Shu-Tung
Pumping Energy Reduction by Modified Cost Analysis, TN: IR2:June 80:149:15450

Chu, Wen-Sen
Two-Dimensional Tidally Averaged Estuarine Model, with William W-G. Yeh, HY4:Apr 80:501:15345
TR:145:634
See William W-G. Yeh, WR2:Sept 79:187:14813

Chua, Ken S.
See J. Robin F. Arthur, GT4:Apr 80:419:15375

Chugh, Ashok K.
Dsc, with John D. Smart, EM6:Dec 79:1069:15007, of "Tunnel Closure for Nonlinear Mohr-Coulomb Functions", EM6:Dec 78:1313:14245

Chung, Kin Y.C.
Dynamic Pile Interaction, with Robert D. Stoll, Preprint No.80-038, Apr 80, 22pp.

Church, Duane R.
Layout Techniques for Little Blue Run Dam, SU1: Nov 79:1:14946
TR:145:343

Church, Michael
See Dale I. Bray, TN: HY11:Nov 80:1937:15791

Church, Paula
See Douglas Yoder, Preprint No.80-577, Oct 80, 14pp.

Church, Richard L.
Dsc, with Timothy J. Clifford, EE2:Apr 79:438: 14468, of "Environmental Optimization of Power Lines", EE4:Aug 78:675:13951
See Roy O. Ball, EE4:Aug 80:757:15617

Cimino, Dominic J.
See John E. Holland, SLS:June 80:448

Cirello, J.
See F. C. Miller, EE80:July 80:40

Citipitioglu, Ergin
Accuracy Assessment for Finite Element Stress Analysis, CP80:June 80:246

Civetta, Theodore, Jr.
Renovation of New York Harbor, with Philip C. Sears, CZ80:Nov 80:898

Claffey, John
See Philip Shapiro, CAAA:Nov 79:43

Clapp, James L.
Land Records: Costs, Issues and Requirements, with Bernard J. Niemann, Jr., SU80:June 80:1

Clark, Carolyn A.
See Arthur R. Benton, Jr., TE4:July 80:453:15551

Clark, James E.
Simulation Program for Signalized Intersection, TC1: Apr 79:163:14537
TR:145:260

Clark, Joseph A.
See Louis H.Y. Lee, HY2:Feb 80:247:15209

Clark, Lloyd K.
A Winter City, with Amos J. Alter, Preprint No.80-172, Apr 80, 16pp.

Clark, Pat Wheeler
Memoir of, TR:145:744

Clark, Robert M.
Awards for 1980 to be given this Month: Huber Prize, with Vincent P. Drnevich, Clive L. Dym, Bruce R. Ellingwood and Boyd C. Paulson, Jr., CE: Oct 80:147
Cost of Water Supply: Selected Case Studies, with John A. Machisko and Richard G. Stevie, EE1:Feb 79:89:14365
TR:145:212
Small Water Systems: Role of Technology, EE1:Feb 80:19:15181
TR:145:630
Spatial and Demographic Data: A Unified Means for Predicting Urban Service System Performance, with Richard M. Males, SU80:June 80:142
Water Supply Regionalization: A Critical Evaluation, WR2:Sept 79:279:14842
Dsc: Thomas M. Walski, WR2:July 80:569:15515
TR:145:197

Clark, Ronnie D.
Use of Physical Data for Estimating Sediment Yield, IRKB:July 80:836

CLARKE

Clarke, Dennis
Design of Counterstressed Cable Structures, ST11: Nov 80:2259:15794

Clarke, Garvey E.
How NFMES Brings Minorities into Engineering, EI2:Apr 79:59:14478
TR:145:189

Clarkson, John A.
See Lewis C. Schmidt, TN: ST12:Dec 78:1915:14201

Clavette, Paul J.
See Stuart G. Walesh, WR2:Nov 77:177:13323

Clayman, David B.
See John Rinaldo, CE:Mar 80:74

Clayton, Leslie A.
Professional Ethics in Private Practice, Preprint No.80-147, Apr 80, 9pp.

Cleary, Michael P.
Self-Consistent Techniques for Heterogeneous Media, with I-Wei Chen and Shaw-Ming Lee, EM5:Oct 80: 861:15769

Cleasby, John L.
Awards for 1980 to be given this Month: Norman Medal, with James C. Lorence, CE:Oct 80:144
Effectiveness of Backwashing for Wastewater Filters, with James C. Lorence, EE4:Aug 78:749:13967
Dsc: Appiah Amirtharajah, EE2:Apr 79:59:14468
Clo: EE6:Dec 79:1192:15006
TR:145:3
Hydraulic Considerations in Declining-Rate Filtration, with Luiz Di Bernardo, EE6:Dec 80: 1043:15892
See Luiz Di Bernardo, EE6:Dec 80:1023:15891

Clemence, Samuel P.
Design Considerations and Evaluation Methods for Collapsible Soils, with Albert O. Finbarr, Preprint No.80-116, Apr 80, 22pp.
See Robert F. Oleck, Jr., Preprint No.80-037, Apr 80, 21pp.
See Arsalan Ghahramani, GT6:June 80:631:15489

Clemente, Anthony
See Douglas Yoder, Preprint No.80-577, Oct 80, 14pp.

Clemmens, Albert J.
Dimensionless Advance for Level-Basin Irrigation, with Theodor Strelkoff, IR3:Sept 79:259:14820
TR:145:438
Dsc, with Delmar D. Fangmeier, IR3:Sept 78:337: 13980, of "Border-Irrigation Hydraulics with Zero Inertia", IR3:Sept 77:325:13189
Dsc, IR3:Sept 78:339:13980, of "Dimensionless Solutions of Border-Irrigation Advance", IR4:Dec 77:401:13400
See John A. Replogle, IRKA:July 80:463

Clifford, Dennis
Fluoride, Nitrate, Arsenic, and Selenium Removal From Small Community Water Supplies, with Maheyar Bilimoria, Gurinder Singh and Tom Sorg, EE80:July 80:514

Clifford, Timothy J.
See Richard L. Church, EE2:Apr 79:438:14468

Clifton, James R.
Creep of Coated Reinforcing Bars in Concrete, with Robert G. Mathey and Erik D. Anderson, ST10: Oct 79:1935:14911
TR:145:427

Cline, Gary C.
See David A. Cornwell, EE80:July 80:540

Cline, Phillip Alan
Small Craft Harbor Evaluation, CZ80:Nov 80:942

Closner, John J.
LNG/LPG Terminal Safety, with Henry J. Kuss, Jerry L. Lott and J. D. Porricelli, PO80:May 80: 469

Clough, Douglas P.
See Ray W. Clough, ST12:Dec 79:2565:15062

Clough, G. Wayne
Effects of Vibratory Sheetpile Driving — A Case Study, with Jean-Lou Chameau, Preprint No.80-175, Apr 80, 36pp.
Measured Effects of Vibratory Sheetpile Driving, with Jean-Lou Chameau, GT10:Oct 80:1081:15778
Self-Boring Pressuremeter Study of San Francisco Bay Mud, with Gordon M. Denby, GT1:Jan 80:45: 15148
TR:145:647
Silicate-Stabilized Sands, with William M. Kuck and Gyimah Kasali, GT1:Jan 79:65:14335
Dsc: James Warner, GT5:May 80:580:15378
Clo: GT5:May 80:482:15378
TR:145:256
See Ayed E. Osaimi, GT4:Apr 79:481:14509
See David Y. Tan, Preprint No.80-106, Apr 80, 23pp.
See Richard J. Fragaszy, GT6:June 80:734:15443
See David Y. Tan, GT9:Sept 80:1037:15716
See Gordon M. Denby, GT12:Dec 80:1369:15950

Clough, Ray W.
Earthquake Behavior Of One-Story Masonry Houses, with P. Gulkan and R. L. Mayes, EM81:Jan 81:517
Experimental Seismic Study of Cylindrical Tanks, with Akira Niwa and Douglas P. Clough, ST12:Dec 79:2565:15062
TR:145:491
See Arthur A. Huckelbridge, Jr., ST8:Aug 78:1211: 13974
See David T. Tang, ST1:Jan 79:221:14324
See Arthur A. Huckelbridge, Jr., CE:Oct 80:146

Cloyd, Marshall P.
Engineering and Constructing Marine Superprojects, CO1:Mar 79:65:14435
TR:145:282

Coatsworth, Andrew M.
Dsc, SLS:June 80:764, of "Summary of Open Discussion", SLS:June 80:717

Cocci, Albert A.
See Graham J. Brown, TN: EE4:Aug 80:837:15588

Codell, Richard B.
Dsc, HY12:Dec 78:1682:14195, of "Two-Dimensional Plume in Uniform Ground-Water Flow", HY4:Apr 78:503:13665

Coe, Jack J.
Ground-Water Storage for California Water Project, IR3:Sept 79:305:14832
Dsc: John W. Bird, IR3:Sept 80:261:15664
TR:145:500

Coffee, C.
See D. R. Snethen, SLS:June 80:717

Cohen, Edward
Dsc, with Frank L. Stahl, ST6:June 78:1027:13789, of "History and Esthetics in Suspension Bridges", ST8:Aug 77:1655:13143

Cohn, Jeffrey P.
See Charles W. Wixom, TC1:Apr 79:97:14487

Cohn, M. Z.
Inelasticity of Reinforced Concrete and Structural Standards, ST11:Nov 79:2221:14985
TR:145:462
Structural Plasticity Computer System: STRUPL, with A. Franchi, ST4:Apr 79:789:14526
TR:145:252
See A. Franchi, EM5:Oct 78:1229:14091
See Paola Ronca, ST2:Feb 79:313:14337

Cohon, Jared
See David Engberg, CZ80:Nov 80:684

Coil, John A.
The San Diego Light Rail Story, MGC:July 80:301

Colacicco, D.
See L. J. Sikora, CE:Apr 80:80

Colcord, J. E.
NAD as it Affects the Survey Engineer, Preprint No.80-073, Apr 80, 11pp.

Cole, David M.
See Edwin J. Chamberlain, GT2:Feb 79:257:14398

Cole, Gene F.
South Fork Salmon River—Future Management, with Walter F. Megahan, IRKB:July 80:396

Cole, George M.
Mapping and Surveying Florida's Submerged Lands, CZ80:Nov 80:549

Coleman, Neil L.
Dsc, HY4:Apr 79:438:14472, of "Fluid Dynamic Lift on a Bed Particle", HY8:Aug 78:1171:13976

Coles, Lynn
See Larry W. Mays, HY1:Jan 80:85:15129

Collier, Richard, Jr.
The East Everglades: Perservation Versus Land Use, CZ80:Nov 80:2150

Collins, George F.
See Paul Kruger, CE:Oct 80:144

Collins, Harvey F.
See Robert E. Selleck, EE6:Dec 78:1197:14247

Collins, J. Ian
See Martin T. Czerniak, PO80:May 80:440
See F. H.Y. Wu, HYUS:June 80:327

Collins, James
Coastal Mapping Handbook, SU1:Nov 80:23:15814
Photobathymetry, ASDC:80:82
Photogeodesy, ASDC:80:309

Collins, John G.
Airborne Laser Acquisition of Cross-Section Data, with William B. Krabill, AS80:Aug 80:175

Collins, John P.
Multiattribute Utility Theory and Environmental Decisions, with Eugene A. Glysson, EE4:Aug 80: 815:15648

Collins, Michael A.
Multiple Operating Points in Complex Pump Networks, with Leon Cooper and Jeff L. Kennington, HY3:Mar 79:229:14452
TR:145:239
Pitfalls in Pipe Network Analysis Techniques, TE5: Sept 80:507:15675

Collins, Michael P.
Towards a Rational Theory for RC Members in Shear, ST4:Apr 78:649:13697
Dsc: Mikael W. Braestrup, Jesper F. Jensen and Mogens P. Nielsen, ST3:Mar 79:690:14404; Vicente Solana and Salvador Meca, ST7:July 79: 1567:14663
TR:145:47

Collins, Peter G.
Urban Storm Runoff Quality in Southeast Michigan, with James W. Ridgway, EE1:Feb 80:153:15199
TR:145:636

Collins, William W.
See Robert D. Logcher, CO4:Dec 78:447:14235

Collios, Anastase
Experiments on Soil Reinforcement with Geotextiles, with Phillippe Delmas, Jean-Pierre Gourc and Jean-Pierre Giroud, Preprint No.80-177, Apr 80, 22pp.

Colliura, John
Regional Paratransit Services: An Evaluation, with Robert P. Warren, TE6:Nov 79:683:14969
TR:145:449

Colman, Steven L.
Regional Coastal Zone Management Coordination: Dealing with Coastal Flooding on New England, CZ80:Nov 80:1216

Colonell, Joseph M.
Deep Water Renewal in a Subarctic Fjord, Preprint No.80-046, Apr 80, 12pp.
Port Valdez Environmental Studies: 1976-1978, EE5: Oct 80:907:15738

Colony, David C.
See John F. Metzger, UP1:Nov 80:59:15855

Colt, Joanne S.
See James E. Alleman, EE80:July 80:175

Coltharp, George B.
See Everett P. Springer, IRKB:July 80:228
See Everett P. Springer, IRKB:July 80:938

Colville, James
Design Procedure for Asphalt Railway Roadbeds, TE6:Nov 79:651:14971
TR:145:457
Stress Reduction Design Factors for Masonry Walls, ST10:Oct 79:2035:14912
TR:145:427
See Kuen-Yaw Shye, ST2:Feb 79:297:14382
See Paul W. Botzler, ST9:Sept 79:1741:14824

Colvocoresses, Alden P.
Dsc, CE:Aug 80:32, on Whither Satellite Remote Sensing—II?, CE:Apr 80:63

Comartin, C. D.
See Boris Bresler, Preprint No.80-596, Oct 80, 10pp.

Conant, George E.
Air Chambers for Irrigation Systems, with Dorsey E. Jaspar, TE2:Mar 79:141:14451
TR:145:171

Conley, James F.
Impact of Urbanization on Water Quality for a Major Watershed, with Thomas J. Olenik, Preprint No.80-563, Oct 80, 14pp.

Connor, Jerome J.
See George C. Christodoulou, HY4:Apr 80:557: 15342

Connors, Charles F.
Oil Terminal Relocation at Long Beach, California, with Michael G. Burke, PO80:May 80:172

Connors, Edward B.
Phosphate Mining in Southeast Idaho, IRKB:July 80: 867

Conrad, Earl T.
See William H. Hassett, Preprint No.80-575, Oct 80, 11pp.

Constable, Thomas W.
Kalman Filter Modeling of the Speed River Quality, with Edward A. McBean, EE5:Oct 79:961:14894
TR:145:507

Constatopoulos, Ioannis V.
Dsc, with Alex P. Michalopoulos, John R. Hall, Jr. and David E. Troxell, GT11:Nov 80:1284:15783, of "Earthquake-Induced Lateral Soil Pressures on Structures", GT9:Sept 79:1049:14805

Contractor, Dinshaw N.
See James F. Cruise, TN: HY3:Mar 80:440:15229

Converse, Hugh
Wetlands Reviews — A Californa Experience, with Jill Shapiro, CZ80:Nov 80:1829

Conway, Dyan C.
See Christina R. Palmerlee, CP80:June 80:295

Conway, Harry D.
See You-Mong Kuo, EM6:Dec 80:1341:15921

Conway, R. G.
Calgary's Computer Mapping & Geographic Referencing, with E. Bert Piepgrass, SU80:June 80: 59

Cook, Allen R.
See Samir A. Ahmed, TE6:Nov 80:731:15805

Cook, Echol E.
Shock Load Attenuation by a Trickling Filter, with Leland P. Herning, EE3:June 78:461:13814
Dsc: Paul F. Greenfield and Simon P. Moodie, EE6:Dec 79:1186:15006
TR:145:61

Cook, Robert
See Paul L. Bishop, EE5:Oct 80:977:15760

Cook, Robert A.
New Initiatives in Water Supply and Planning: A State Perspective, Preprint No.80-597, Oct 80, 7pp.

Cook, W. Jordan
See John P. Braaksma, TE2:Mar 80:189:15274

Cooke, H. B.
Stumbling Blocks to Effective Management, CE:Mar 80:66
TR:145:623

Cooley, Keith R.
Erosivity Values for Individual Design Storms, IR2: June 80:135:15462
TR:145:690

Cooley, Ralph P.
See Subrata K. Chakrabarti, WW4:Nov 77:433:13320

Cooper, Bob
See Ken Blakely, EM81:Jan 81:846

Cooper, James D.
See Anatole Longinow, TC1:Apr 79:197:14542
See Roland L. Sharpe, TC1:Aug 80:13:15604

Cooper, Lawrence C.
What Happens to Cities When the Gas Runs Out?, CE:Aug 79:71
TR:145:355

Cooper, Leon
See Michael A. Collins, HY3:Mar 79:229:14452

Cooper, Norman L.
Elected Office For Engineers?, EI4:Oct 79:233:14924
Dsc: Milton Mortman, EI3:July 80:325:15510; James W. Heltman, EI4:Oct 80:430:15718
TR:145:425
Integration of Air Quality and Transportation Planning, with John O. Hidinger, CAAA:Nov 79:56

Cooper, Peter B.
LRFD Criteria for Plate Girders, with Theodore V. Galambos and Mayasandra K. Ravindra, ST9:Sept 78:1389:14012
Dsc: Raymond M.L. Ting, ST6:June 79:1220: 14602
Clo: ST2:Feb 80:573:15162
TR:145:88
See David M. Todd, ST2:Feb 80:431:15179

Cooper, Roy Howard
Memoir of, TR:145:745

Copp, Howard D.
See John A. Roberson, Preprint No.80-068, Apr 80, 15pp.

Corbin, Michael H.
See D. Randy Junkins, EE80:July 80:50

Cordes, Martin R.
See Martin E. Batts, TN: ST10:Oct 80:2111:15726

Cordoba-Molina, J. Francisco
Settling in Continuous Sedimentation Tanks, with Robert R. Hudgins and Peter L. Silveston, EE6:Dec 78:1261:14231
Dsc: Sadataka Shiba, EE6:Dec 79:1194:15006
Clo: EE5:Oct 80:999:15717
TR:145:152

Corley, Judith B.
Modelling Climatic Effects on Clay Beneath Slabs, SLS:June 80:533

Cormack, Robert
Moreton Region Non-Urban Land Use Study, ASDC:80:233

Cornelius, Volker
See Gerhard J. Mehlhorn, Preprint No.80-552, Oct 80, 16pp.

Cornell, C. Allin
See Mayasandra K. Ravindra, ST9:Sept 78:1443: 14006
See Michael N. Fardis, ST1:Jan 79:67:14305
See Richard D. Larrabee, ST1:Jan 79:125:14329
See Mircea Grigoriu, EM4:Aug 79:585:14736
See Paul Millman, ST4:Apr 80:877:15364

Cornish, Richard E.
Geographic Data Bases, CP80:June 80:660

Cornman, Robert
See Gary Fain, Preprint No.80-651, Oct 80, 15pp.

Cornwell, David A.
Metals Removal from Wastewater Sludges with Liquid-Ion Exchange, with Gary C. Cline, EE80: July 80:540

Corollo, Joseph
See Oliver H. Gilbert, Jr., GTDF:80:122

Corotis, Ross B.
Stochastic Nature of Building Live Loads, with Victor Jaria, ST3:Mar 79:493:14441
Dsc: Vicente Solana and Salvador Meca, ST12: Dec 79:2784:15011
Clo: ST7:July 80:1658:15513
TR:145:207
Dsc, EM6:Dec 80:1453:15865, of "Techniques for Spatial Extrapolation of Wind Data", EM2:Apr 80: 201:15315
See Victor Jaria, TN: ST8:Aug 79:1701:14730
See Philip L. Chalk, ST10:Oct 80:2017:15753

Corser, P. G.
See Charles H. Dowding, Preprint No.80-175, Apr 80, 36pp.

Cosby, John C.
See Gerard Soffian, CAAA:Nov 79:126

Costanza, Robert
See Flora C. Wang, WR1:Mar 80:185:15266

Costello, Frederick J.
Dsc, TN: EE6:Dec 79:1200:15006, of "Evapotranspiration Bed Design", TN: EE2:Apr 79:411:14474

Costello, George A.
Lay Effect of Wire Rope, with Robert A. Miller, EM4:Aug 79:597:14753
TR:145:377
Static Response of Reduced Rotation Rope, with Robert E. Miller, EM4:Aug 80:623:15612

Costello, James F.
Dsc, with Romuald E. Lipinski, ST11:Nov 79:2474: 14936, of "Ductility Ratio for Slabs", ST11:Nov 78:1741:14131

Cosulich, William F.
Codisposal of Sludge and Refuse, with Miro Dvirka, EE80:July 80:592

Cotner, Melvin L.
See Harry Ayer, IRKA:July 80:336

Cotter, Dennis C.
See Subrata K. Chakrabarti, WW3:Aug 79:281:14766
See Subrata K. Chakrabarti, WW1:Feb 80:65:15178

Couch, F. B., Jr.
Award for 1980 to be given this Month: Among the Missing, with Arturo L. Ressi di Cervia, Gerard F. Fox, Frank J. Moolin, Thomas McKenna, Edward Wilson, Phillip J.W. Roberts, Thomas A. McCrate, Gunter H. Lewis, Michael M. Shiflett and Kevin J. Bowers, CE:Oct 80:154

Couch, Frank B., Jr.
Seepage Cutoff Wall Installed Through Dam is Construction First, with Arturo L. Ressi di Cervia, CE:Jan 79:62
Dsc: Gustave J. Angell, CE:Apr 79:38
TR:145:1

Coull, Alexander
Effect of Openings on Lateral Buckling of Beams, with Maria C. Alvarez, TN: ST12:Dec 80:2553: 15874

Coulson, James H.
See Lewis L. Oriard, Preprint No.80-175, Apr 80, 22pp.

Counihan, James
Dsc, ST6:June 79:1225:14602, of "Mean Wind Profiles and Change of Terrain Roughness", ST10: Oct 78:1585:14099

Courage, Ken
See Gary Euler, CP80:June 80:560

Courtney, Charles M.
Quality in a Florida 1°, 2° and 3° Stream System, HYUS:June 80:359

Courtois, Peter D.
Dsc, CO3:Sept 80:429:15661, of "Concreting and Formwork Logistics and Optimization", CO2:June 78:219:13842

Cousins, Brian F.
See Frank Van der Woude, ST12:Dec 79:2677:15086

Cowin, Stephen C.
See M. M. Mehrabadi, EM5:Oct 80:991:15755

Cox, D.
See S. Roychowdhury, EE80:July 80:75

Cox, F.
Regional Geology of the Dartmouth Dam Site, ASDC:80:105

Cox, P. A.
Thames River Flood Barrier, CE:Apr 79:68
Errata: CE:July 79:32
TR:145:192

Craig, G. B.
Summary of Commissioner G. B. Craig's Remarks, HW80:Mar 80:215

Craig, J. I.
A Rectilinear Force Generator For Full Scale Vibration Testing, with F. D. Lewis, EM81:Jan 81: 102
See M. Meyyappa, EM81:Jan 81:141

Craig, Michael J.K.
See Ronald F. Scott, GT1:Jan 80:17:15128

Craig, Robert John
Computers in Civil Engineering Undergraduate Education, CP80:June 80:419

Crampton, Walter
See Louis J. Lee, CZ80:Nov 80:2271

Crapps, David K.
See John H. Schmertmann, GT12:Dec 80:1327:15943

Craven, Robert E.
The Rail-Highway Grade Crossing Program—A State's View, HW80:Mar 80:124

Cree-Brown, Nicholas C.
See Peter J. Moss, ST10:Oct 79:2019:14932

Crews, James E.
Regional Versus Local Water Supply Planning in the Metro Washington, D.C. Area, Preprint No.80-589, Oct 80, 9pp.

Critchfield, John W.
See David E. Thompson, GTDF:80:444

Crites, Ronald W.
See Paul E. Levine, EE5:Oct 80:869:15767
See James V. Olson, EE5:Oct 80:885:15768

Crittenden, John C.
Mathematical Modeling of the Displacement of Preadsorbed Organics in Fixed-Bed Adsorbers, with Bryant W.C. Wong, William E. Thacker, Vernon L. Snoeyink and Richard L. Hinrichs, EE80:July 80: 274
Model for Design of Multicomponent Adsorption Systems, with Walter J. Weber, Jr., EE6:Dec 78: 1175:14230
TR:145:3
Dsc, EE6:Dec 79:1201:15006, of "Secondary Treatment Alternatives: Suspended Growth", EE2: Apr 79:283:14528
See Michael C. Lee, EE80:July 80:387

Crocker, D. M.
See Yun Jui Tsai, HYUS:June 80:255

Croley, Thomas E., II
See Arthur R. Giaquinta, EY1:Apr 80:89:15319

Croll, James G.A.
Meridionally Imperfect Cooling Towers, with Fevzi Kaieli and Kenneth O. Kemp, EM5:Oct 79:761: 14895
TR:145:410
Dsc, ST3:Mar 80:744:15227, of "Meridional Imperfection in Cooling Tower", ST6:June 79:1089: 14636
See Charles P. Ellinas, ST12:Dec 80:2405:15910

Cronin, Henry J., Jr.
Post-Tensioned Foundations as Economical Alternative, CE:Mar 80:62
TR:145:618

Cronshey, Roger G.
See Norman Miller, HY11:Nov 79:1461:14935
See Robert E. Rallison, IR4:Dec 79:439:15010

Crook, James
Health Aspects of Water Reuse in California, EE4: Aug 78:601:13928
Dsc: Sherwood C. Reed, EE2:Apr 79:434:14468
Clo: EE6:Dec 79:1189:15006
TR:145:67

Crory, Frederick E.
Use of Piling in Frozen Ground, Preprint No.80-172, Apr 80, 21pp.

Cross, Ralph H.
Site Studies, Coastal/Geotechnical Aspects, with George B. Tirey and Jin H. Kim, PO80:May 80:429

Crotchett, D. R.
Dsc, CE:July 80:30, on Carbon Treatment of Drinking Water: N.J. Plant Trying to Get Out Bugs, CE:Jan 80:64

Crowder, W. Kent
A Geographic Information System for a Rural County, SU80:June 80:74

Crowell, William H.
Pricing and Revenue Yield, UT79A:July 79:144
Dsc: Yupo Chan, UT79A:July 79:160; Eric L. Bers, UT79A:July 79:163; C. Michael Walton, UT79A:July 79:172
Dsc, UT79A:July 79:31, of "Direct Costs of Highway Travel", UT79A:July 79:19

Croy, Lynn P.
Comparative Metals Precipitation Techniques, with William R. Knocke, EE80:July 80:534

Cruise, James F.
Unit Hydrographs for Urbanizing Watersheds, with Dinshaw N. Contractor, TN: HY3:Mar 80:440: 15229

Csagoly, Paul F.
Dsc, CE:Apr 80:28, on Ontario Writes New Bridge Code, CE:Mar 79:56
See Baidar Bakht, ST7:July 80:1515:15547

Cudlipp, Katherine
National Commission on Air Quality, CAAA:Nov 79:396

Cullen, Peter W.
Managing Coastal Dunes in South Australia, with Eric C.F. Bird, CZ80:Nov 80:1252

Cullen, William
Minimizing Risks and Mitigating Losses—A, CRLS: Jan 79:II-127

Culp, Gordon L.
Secondary Treatment Alternatives: Suspended Growth, EE2:Apr 79:283:14528
Dsc: John C. Crittenden, EE6:Dec 79:1201:15006
Clo: EE4:Aug 80:863:15582
TR:145:311

Cundy, Vic A.
Dsc, with Kynric M. Pell and John E. Nydahl, ST1: Jan 79:261:14271, of "Temperature Distributions in Composite Bridges", ST1:Jan 78:65:13474

Cunningham, Gerard
Professional Reference Program, EI2:Apr 80:107: 15354
TR:145:566

Cunningham, James D.
See Joseph M. Plecnik, ST1:Jan 80:99:15141

Cuoco, Daniel A.
Finite Element Analysis of Caisson-Structure and Soil-Structure Interaction, with Leonard M. Joseph, Richard L. Tomasetti and Emmanuel Velivasakis, Preprint No.80-144, Apr 80, 16pp.

Curran, Timothy M.
SMADA—Stormwater Management and Design Aid, with Martin P. Wanielista, Preprint No.80-603, Oct 80, 14pp.

Curry, D. T.
River Murray Flooding, with D. J. Dole, ASDC:80: 41

Curry, Lawrence W.
See Dario A. Gasparini, ST1:Jan 80:115:15113

Curtis, Carrol N.
Proposed Gray's Reef Marine Sanctuary: A Case Study, with Jeannette H. Phillips, CZ80:Nov 80: 1969

Curtis, Robert E.
Environmental Aspects of Utility AFBC Design, with P. Stanley Dzierlenga, EY2:Oct 80:131:15739

Cutter, William A.
See Gerald A. Leonards, GT1:Jan 80:35:15144

Czajkowski, Ronald L.
Dynamic Properties of Frozen Silt Under Cyclic Loading, with Ted S. Vinson, GT9:Sept 80:963: 15702

Czerniak, Martin T.
Integrated Port Design and Planning Process, with Arthur Rubinstein and J. Ian Collins, PO80:May 80:440

Dafalias, Yannis F.
A Generalized Bounding Surface Constitutive Model for Clays, with Leonard R. Herrmann, Preprint No.80-608, Oct 80, 14pp.

Dagalakis, N.
See E. Kummer, EM81:Jan 81:445
See J. C. S. Yang, EM81:Jan 81:819

Dague, Richard R.
Dsc, EI4:Oct 80:432:15718, of "Competitive Bidding for A/E Services—Why Not?", EI1:Jan 80:45: 15117

Dahl, Johnny R.
Work Zone Safety, HW80:Mar 80:242

Dajani, Jarir S.
Productivity, Performance, and Planning, UP1:May 78:47:13718
Errata: UP2:Nov 79:171:14939
TR:145:71

Dakshanamurthy, V.
Moisture and Air Flow in an Unsaturated Soil, with D. G. Fredlund, SLS:June 80:514
Dsc, SLS:June 80:747, of "Relationships and Variations of Properties of Clay", SLS:June 80:172

Dallaire, Eugene E.
Birth of the Synthetic Fuels Industry, CE:July 80:49
Dsc: R. C. Kennedy, CE:Dec 80:33
Carbon Treatment of Drinking Water: N.J. Plant Trying to Get Out Bugs, CE:Jan 80:64
Dsc: Paul B. Kilian, CE:July 80:30; D. R. Crotchett, CE:July 80:30
TR:145:549
Do Federal Grants Distort a City's Capital Investment Priorities?, CE:Oct 79:79
Dsc: Paul Richards, CE:Feb 80:26
TR:145:444
Duluth Sanitary District First in U.S. to Take Charge of Both Sewage and Refuse, CE:June 80:60
Errata: Walter E. Garrison, CE:Dec 80:30
TR:145:701
Energy Conservation: Long-Overlooked Cheap Source of Energy, CE:Dec 79:77
Dsc: Douglas R. Little, CE:June 80:28; Morton I. Goldman, CE:June 80:32; Donald H. Gray, CE: June 80:40; Olcott L. Hooper, CE:June 80:40; Samuel C. Florman, CE:June 80:40; Amos Roos, CE:June 80:44; Robert H. Mitchell, CE: June 80:48
TR:145:539
EPA Launches Program to Control Hazardous Wastes, CE:Dec 78:39
Dsc: J. E. Gray, CE:July 79:31
TR:145:15
Groundwater and Non-Point Pollution: Key Water Quality Issues of the 1980's, CE:Sept 80:71
Largest Rotating Biological Contactor Plant Also First to Remove Nitrogen, CE:Jan 79:70
TR:145:45
Nuclear Wastes: Safe Way to Dispose Them Underground Forever, CE:May 79:72
Dsc: Jan Van Schilfegaarde, CE:Sept 79:34; Arthur F. Pillsbury, CE:Sept 79:34; Philip I. Levine, CE:Sept 79:36; Paul Kruger, CE:Sept 79:36; John F. Burckardt, CE:Sept 79:36; Harvey H. Haynes, CE:Sept 79:40; Robert L. Loofbourow, CE:Nov 79:34
TR:145:232
Pavement Recycling Catching On, CE:Nov 80:45
Redesigning the Auto: A Key to Solving the U.S. Energy, CE:Nov 79:92
Dsc: Eugene H. Harlow, CE:May 80:22
TR:145:488
Saving the U.S's Rapidly Dwindling Farmland and Other Priceless Natural Resources, CE:Sept 80:81
Solar Energy for Heating Homes: How Practical?, CE:Feb 80:38
Dsc: Jon Wollander, CE:Aug 80:26; E. A. Abdun-Nur, CE:July 80:30
TR:145:582
Stamford's Urban Renewal Project Takes Off, CE: Apr 79:82
TR:145:209
Surveying Takes Another Giant Step Forward, CE: Feb 79:60
TR:145:73
Toxic Chemicals in New Jersey's Environment: Cancer Link?, CE:Sept 79:74
Dsc: Frank C. Campbell, CE:Dec 79:33; Leo Weaver, CE:Dec 79:34; Cornelius W. Kruse, CE:Dec 79:34; Richard S. Howe, CE:Dec 79:35
TR:145:373
What Has the U.S. Gotten Out of the Space Program?, CE:July 79:71
Dsc: Gavin Trevitt, CE:Jan 80:30
TR:145:319
Will EPA Relax Its Mandatory Secondary Treatment Requirement?, CE:June 79:88
Dsc: John Murray, CE:Oct 79:28; William S. Foster, CE:Nov 79:30; Sydney Steinborn, CE: Nov 79:32; Russell G. Ludwig, CE:Jan 80:32
TR:145:296
Will the World Face Up to Its Ever-Worsening Environmental Problems?, CE:Sept 80:67
The Zero-Energy House: The Bold Low-Cost Breakthrough that may Revolutionize Housing, CE: May 80:47
Dsc: Wayne A. Charlie, CE:Oct 80:30
Errata: Eugene E. Dallaire, CE:Aug 80:30
TR:145:686
1977 Clean Air Act: Cheapest Way to Clean Up the Environment?, CE:Mar 79:85
Dsc: Anthony J. Brajdic, CE:July 79:33; Russell N. Meyer, CE:July 79:33; John R. Bartlit, CE: Aug 79:28
TR:145:167

Dalrymple, Robert A.
Longshore Currents with Wave Current Interaction, TN: WW3:Aug 80:414:15592

Dalton, Frank E.
See Bart T. Lynam, TC2:Dec 79:401:15035
See Forrest C. Neil, WR1:Mar 80:173:15269

Dandy, Graeme C.
Water Quality Sampling Programs in Rivers, with Stephen F. Moore, EE4:Aug 79:695:14757
TR:145:418

Dangar, Roy
Endochronic-Critical State Models for Sand, with S. Nuh, EM5:Oct 80:951:15762

D'Angelo, Sal
Energy Conservation in Activated Sludge Systems, with H. David Stensel and J. C. Goldman, EE4: Aug 80:773:15636

Dangermond, Jack P.
Alternative Approaches for Applying GIS Technology, with Lowell Kent Smith, SU80:June 80:97

Danial, Naguib F.
Trilateration Adjustment by Finite Elements, with Theodor Krauthammer, SU1:Nov 80:73:15812
Virtual Work Adjustment of Trilateration Nets, SU1: Nov 79:67:14955
Errata: SU1:Nov 80:182:15786
TR:145:646

Daniell, Alan F.
Port Throughput Study Using Simulation Technique, with Mahendrakumar R. Vora, PO80:May 80:282

Daniels, J. Hartley
See Charles R. Kubic, ST6:June 79:1039:14633

Daniels, Marvin L.
See Dan P. Morris, CE:Sept 80:78

Dantin, Elvin J.
Littoral Drift and Erosion at Belle Pass, Louisiana, with Charles A. Whitehurst and Warren T. Durbin, WW4:Nov 78:375:14184
Dsc: John R. Harper, WW1:Feb 80:134:15163
Clo: WW4:Nov 80:493:15789
TR:145:200

Danushkodi, Vaiyapuri
Flood Flow Frequency by SCS-TR-20 Computer Program, HY9:Sept 79:1123:14818
Dsc: Mark Wildermuth, HY6:June 80:1146:15444; Donald R. Jackson, HY7:July 80:1267:15512; Victor Miguel Ponce, HY9:Sept 80:1552:15663
TR:145:432

D'Appolonia, David J.
Soil-Bentonite Slurry Trench Cutoffs, GT4:Apr 80: 399:15372
TR:145:705

Darby, William P.
See Wallace J. Hopp, Preprint No.80-098, Apr 80, 20pp.

Darrow, Arthur C.
See Robert P. Kennedy, TC1:Apr 79:119:14505

Darter, Michael I.
Pavement Rehabilitation: Identifying the Need, with Mohamed Y. Shahin, TE1:Jan 80:1:15135
TR:145:523
See Mohamed Y. Shahin, TE4:July 80:381:15527

Darve, Felix
See Etienne Flavigny, GT1:Jan 79:115:14269
See Etienne Flavigny, GT9:Sept 79:1126:14792

Das, Khirod C.
See Chenchayya T. Bathala, EE6:Dec 79:1049:15082

Das, Prasanta
See Yacov Y. Haimes, WR2:Sept 79:385:14859

Das, Subhas C.
See Chitta R. Gangopadhyay, GT11:Nov 80:1243: 15807

Dasgupta, Gautam
Dynamic Stiffness Matrices for Viscoelastic Half Planes, with Anil K. Chopra, EM5:Oct 79:729: 14888
TR:145:397
Foundation Impedance Matrices by Substructure Deletion, EM3:June 80:517:15491
TR:145:683

D'Astous, Francoise
Analyzing Environmental Time Series, with Keith William Hipel, EE5:Oct 79:979:14881
TR:145:468

Datta, S.
See B. Banerjee, TN: EM4:Aug 80:831:15589

Daubert, Odilie
See Adrianus Verwey, HY7:July 78:1116:13856

David, D.
Stable Embedment Depth of Piles in Swelling Clay, with A. Komornik, SLS:June 80:798

David, Martin H.
See J. Jeffrey Peirce, WR1:Mar 80:81:15246
See J. Jeffrey Peirce, WR2:July 80:427:15557

Davidson, James W.
See Harvey C. Olander, TE6:Nov 80:631:15838

Davidson, Jonathan M.
Legal Standard for Coastal Development Permission, CZ80:Nov 80:1341

Davies, Gwynne
Tapered Steel Beams Loaded within Tip, with Satya Narayan Mandal, ST3:Mar 79:589:14453
TR:145:221

Davies, J. D.
See J. C. Rutherford, EE6:Dec 80:1131:15939

Davies, J. Michael
Dsc, ST1:Jan 80:367:15098, of "Corrugated Shear Diaphragms", ST3:Mar 79:577:14449
Dsc, ST12:Dec 80:2578:15868, of "Nonlinear Analysis of Cold-Formed Steel Shear Diaphragms", ST3:Mar 80:693:15257

Davies, Timothy R.H.
Bedform Spacing and Flow Resistance, HY3:Mar 80: 423:15258
Errata: HY11:Nov 80:1958:15784
TR:145:617
Fluid Dynamic Lift on a Bed Particle, with Mohamed F.A. Samad, HY8:Aug 78:1171:13976
Dsc: Anton A. Kalinske, HY4:Apr 79:437:14472; Peter J. Murphy, HY4:Apr 79:437:14472; Neil L. Coleman, HY4:Apr 79:438:14472; Mohamed R. Haggag, HY6:June 79:760:14600; B. Mutlu Sumer, HY7:July 79:915:14662; Rosco G. Jackson, HY8:Aug 79:1046:14723
Clo: HY3:Mar 80:458:15225
TR:145:118
Dsc, HY7:July 80:1259:15512, of "Theory of Minimum Rate of Energy Dissipation", HY7:July 79:769:14677

Davis, Allen L.
See Loring E. Hanson, HYCO:Aug 80:51

Davis, Darryl W.
Flood Mitigation Planning Using HEC-SAM, SU80: June 80:113

Davis, E. C.
See William J. Boegly, Jr., EY2:Oct 80:179:15757

Davis, Edward C.
Modeling Waste Assimilation After Channelization, with Edward L. Thackston, EE80:July 80:153

Davis, Edward M.
See Vernon C. Bissell, Preprint No.80-148, Apr 80, 27pp.

Davis, Gordon E.
Principles & Techniques for Special Area Management: The Grays Harbor & Coos Bay Experience, CZ80:Nov 80:761

Davis, Noel B.
See Robert L. Beach, PO80:May 80:534

Davis, Ray Jay
Weather Modification Operations: The Legal Considerations, IRKA:July 80:77

Davis, Raymond E.
Arch Culvert Footing Movements, with Henry D. Nix and Alfred E. Bacher, ST4:Apr 79:729:14491
Dsc: Frederic T. Mavis, ST1:Jan 80:373:15098
Clo: ST9:Sept 80:1993:15665
TR:145:246
Arch Culvert Research—Phase 3, with Henry D. Nix and Alfred E. Bacher, ST4:Apr 79:739:14492
TR:145:248

Davis, Stuart G.
Dsc, ST7:July 80:1659:15513, of "Statistical Descriptions of Strength of Concrete", ST6:June 79:1021:14628

Davis, T. M.
See P. E. Thompson, PO80:May 80:256

Dawdy, David R.
Flood Frequency Estimates on Alluvial Fans, HY11: Nov 79:1407:15001
Dsc: R. A. McGinn, HY10:Oct 80:1718:15721
TR:145:502
Session VII—Flooding and Flood Plain Management, EFHYF:Mar 79:428
See Asok K. Motayed, TN: HY5:May 79:617:14555
See William M. Alley, HY5:May 80:679:15392
See Durl E. Burkham, HY6:June 80:1132:15444

Day, David A.
Deep Storage of Nuclear Waste: Structural Issues, EY2:Oct 80:201:15746

Day, Gerald N.
See Thomas N. Debo, HY4:Apr 80:475:15333

Day, Harold J.
River Clean-Up Plan Developed with Citizens and Industry, with W. Elman, D. Theiler and R. Christianson, CE:Mar 80:78
TR:145:635

Day, Steven M.
Seismic Response of Hemispherical Foundation, with Gerald A. Frazier, EM1:Feb 79:29:14339
TR:145:135

Dayal, Umesh
Low Velocity Projectile Penetration of Clay, with John H. Allen and Dronnadula V. Reddy, GT8:Aug 80:919:15657
Dsc, GT5:May 80:574:15378, of "Uplift Testing of Model Drilled Shafts in Sand", GT1:Jan 79:31: 14301

Deadwyler, Robert B., Sr.
Transportation Needs - Northern Mariana Islands, MGC:July 80:268

Deakin, E. A.
Technology Substitution for Air Quality Improvement, with H. W. Bruck, CAAA:Nov 79: 357

De Alba, Pedro A.
See James P. Healey, Preprint No.80-562, Oct 80, 14pp.

Dean, J. David
Modeling supplement Irrigation Water Demand, IR4: Dec 80:285:15897

Dean, Robert G.
Dsc, with E. P. Berek, WW3:Aug 78:291:13960, of "Measurements of Bed Load in Oscillatory Flow", WW3:Aug 78:291:13960

Dearinger, John A.
Measuring Preferences for Natural Landscapes, UP1: Jan 79:63:14308
TR:145:572

Deb, Arun K.
Optimization in Design of Pumping Systems, EE1: Feb 78:127:13543
Dsc: Krishan P. Singh, EE6:Dec 78:1313:14192; Vance C. Lischer, EE6:Dec 78:1316:14192
Clo: EE6:Dec 79:1183:15006
TR:145:36

Deb Chaudhury, Amitabha
See Dario A. Gasparini, ST1:Jan 80:115:15113
See Dario A. Gasparini, EM6:Dec 80:1233:15900

De Beer, E.
Dsc, GT12:Dec 79:1558:15008, of "Cone Resistance as Measure of Sand Strength", GT7:July 78:995: 13901

Debo, Thomas N.
Economic Model for Urban Watersheds, with Gerald N. Day, HY4:Apr 80:475:15333
TR:145:623
Voter Reaction to Multiple-Use Drainage Projects, with James T. Williams, WR2:Sept 79:295:14843
Dsc: Levi A. Brown, WR2:July 80:572:15515
TR:145:207

DeBonis, A. Louis
Stochastic Simulation of Wood Load-Sharing Systems, ST2:Feb 80:393:15186
TR:145:584

DeByle, Norbert V.
See George E. Hart, IRKB:July 80:318

de Caprariis, Pascal
Dsc, EE4:Aug 79:798:14720, of "Comparison of Tangibles and Intangibles", EE4:Aug 78:625:13959

DeCarli, Sergio
See Joseph A. Cermola, EE6:Dec 79:1035:15042

DeCicco, Paul R.
Aerial Photography in Fire Risk Assessment, AS80: Aug 80:155

Decker, James D.
Recent Developments in Automated Accident Location Systems, with Robert W. Hawkins, Preprint No.80-620, Oct 80, 13pp.

Decker, Rey S.
See Thomas N. McDaniel, GT9:Sept 79:1017:14804

Dedrick, Drew
Using Fiscal Models to Evaluate Land Plans — The Suburban Montgomery County Maryland Experience, SU80:June 80:88

Deen, Robert C.
Cracking in Concrete Pavements, with James H. Havens, Assaf S. Rahal and W. Vernon Azevedo, TE2:Mar 80:155:15273
TR:145:597
See K. R. Agent, TE3:May 80:283:15413

Deen, Thomas B.
Dsc, UT79A:July 79:102, of "Distribution of Urban Transportation Costs", UT79A:July 79:81

Dees, Jerome G.
See Jun Wai Lee, Preprint No.80-606, Oct 80, 22pp.

Degen, Peter P.
Perforation of Reinforced Concrete Slabs, ST7:July 80:1623:15579

Degenkolb, Henry J.
Failures: How Engineers Learn — Or Do They?, Preprint No.80-017, Apr 80, 18pp.
Reducing Failures During Earthquakes, CE:Aug 80:56

Degner, Janet D.
See Jay W. Casper, AS80:Aug 80:1
See Byron E. Ruth, TE6:Nov 80:661:15835

DeGraff, Henry L.
The New OBERS Projections, EFHYF:Mar 79:93

de Groot, Maarten B.
Dsc, with Jan N. Svasek and Abraham J. Bliek, HY5:May 80:939:15379, of "Model for Suspended Sediment Transport", HY5:May 79:461:14574

dehghanyar, Tejav J.
See Sami F. Masri, EM81:Jan 81:87

Delikat, Donald S.
IXTOC I Oil Spill and Atlantic Ridley Turtle Survival, CZ80:Nov 80:312

Delleur, Jacques W.
See Aolad Hossain, HY2:Feb 78:169:13565

Delmas, Phillippe
See Anastase Collios, Preprint No.80-177, Apr 80, 22pp.

Demars, Kenneth R.
Stresses Induced in a Rigid Sandbed by Wave Loading, Preprint No.80-539, Oct 80, 14pp.

de Mello, Victor F.B.
Dsc, GT2:Feb 79:333:14354, of "SPT and Relative Density in Coarse Sands", GT11:Nov 77:1295:13350

Demery, Phillip M.
Research Analysis of Plastic Filters, IRKA:July 80:398

Demetsky, Michael J.
See Kenneth W. Wester, TE3:May 79:279:14562

Demsky, Edward C.
See David M. Holloway, Preprint No.80-175, Apr 80, 38pp.

Denby, Gordon M.
Self-Boring Pressuremeter Tests in Clay, with G. Wayne Clough, GT12:Dec 80:1369:15950
See G. Wayne Clough, GT1:Jan 80:45:15148

Dendrou, Basile A.
See Stergios A. Dendrou, HYUS:June 80:23

Dendrou, Stergios A.
Second Moment—Inference Analysis Approach for Probability Evaluation of Storm Surges, with Robert S. Taylor and Basile A. Dendrou, HYUS:June 80:23
See Robert S. Taylor, HYUS:June 80:316

deNeufville, Richard
Access, Fares, Frequency: Effects on Airport Traffic, with Clifford R. King, TE2:Mar 79:109:14421
TR:145:127
See Gregory Baecher, TN: GT1:Jan 80:101:15100

Dennis, James M.
See Roland H. Brownlee, AS80:Aug 80:60

Dennis, Nona B.
Elkhorn Slough: The Making of an Estuarine Sanctuary, with Bruce Browning and Hal Bissell, CZ80:Nov 80:1939

Denson, Keith H.
Pile-Supported Polygonal Mat Foundation for Circular Tanks, Preprint No.80-010, Apr 80, 9pp.

Denton, Richard A.
Dsc, HY11:Nov 79:1465:14935, of "Temporal Moments for Longitudinal Dispersion", HY12:Dec 78:1617:14266

Der Kiureghian, Armen
Reliability Analysis Under Stochastic Loads, ST2:Feb 80:411:15190
TR:145:585
Stationary Response Of Structures With Closely Spaced Modes, EM81:Jan 81:492
Structural Response to Stationary Excitation, EM6:Dec 80:1195:15898

Dermisis, Vassilios
See Emmanuel Partheniades, CE:Jan 80:90

De Roeck, G.
See F. Mortelmans, ST5:May 79:967:14551

Derucher, K. N.
See R. T. Mancill, Jr., PO80:May 80:778

Desai, Ashok J.
See Allen J. Hulshizer, Preprint No.80-661, Oct 80, 14pp.

Desai, Chandrakant S.
See Gordon C. Li, TN: ST8:Aug 80:1813:15591

DeSalvo, Joseph M.
Geotechnical Engineering Data Systems, SU80:June 80:165

deSilva, Clarence W.
Postcracking Compliance Analysis of RC Beams, with Oral Buyukozturk and David N. Wormley, ST1:Jan 79:35:14304
Dsc: G. Ivanyi and M. Teutsch, ST1:Jan 80:361:15098
Errata: ST9:Sept 79:1869:14795, ST8:Aug 80:1823:15586
TR:145:142
Torsional Analysis of Cutout Beams, with David N. Wormley, ST9:Sept 80:1933:15713

de Souza, V. C. M.
See Peter R. Sparks, EM81:Jan 81:189

Devecseri, Dan
See Roger Foott, GT3:Mar 80:219:15288

Dever, Raymond J., Jr.
Dsc, EE2:Apr 80:461:15296, of "Stormwater Interception and Storage", EE1:Feb 79:43:14368

Devin, Maurice R.
Pennsylvania's Proposed Emission I/M Program, CAAA:Nov 79:120

de Vries, Jan
Prediction of Non-Darcy Flow in Porous Media, IR2: June 79:147:14610
Dsc: Nazeer Ahmed, IR2:June 80:159:15445
TR:145:320

DeVries, Johannes J.
Sediment Modeling for the Sacramento River Diversion to the Peripheral Canal, with William J. Hartman and Jaime Amorocho, HYCO:Aug 80:463
Wind Setup Effects in Large Open Channels, with Jaime Amorocho, WW3:Aug 80:319:15608
See Jaime Amorocho, HYCO:Aug 80:451

DeWalle, David R.
Management of Galbraith Gap Municipal Watershed, IRKB:July 80:1012

DeWalle, Foppe B.
Ground-Water Pollution by Septic Tank Drainfields, with Russell M. Schaff, EE3:June 80:631:15496
TR:145:728

DeWolf, John T.
Approximate Analysis of Rigid Frames, Preprint No.80-549, Oct 80, 12pp.
Column Base Plates with Axial Loads and Moments, with Edward F. Sarisley, ST11:Nov 80:2167:15823
Cross-Bracing Design, with Joseph F. Pelliccione, ST7:July 79:1379:14680
TR:145:349
See Thomas P. Pastor, ST3:Mar 79:527:14461

Dhar, Chaman L.
See Kuang-Han Chu, ST9:Sept 79:1823:14855

Diamond, Sidney
See Sidney Mindess, FIC:Oct 80:15

Diaz, Gerald M.
Measured Response of Pile Supported Machines, GTDF:80:75

Di Bernardo, Luiz
Declining-Rate Versus Constant-Rate Filtration, with John L. Cleasby, EE6:Dec 80:1023:15891
See John L. Cleasby, EE6:Dec 80:1043:15892

Dick, Richard I.
Dsc, with Cynthia A. Cairns, EE1:Feb 79:177:14352, of "Reservoir Metalimnion Oxygen Demands", EE6:Dec 77:1001:13437
See Byong S. Shin, EE3:June 80:505:15461

Dick, Robert C.
Dsc, TN: GT10:Oct 80:1175:15720, of "Head Losses in Packer Tests", TN: GT9:Sept 79:1108:14798

Dicker, Daniel
Dsc, ST3:Mar 80:742:15227, of "Free Torsional Vibrations of Suspension Bridges", ST4:Apr 79:767:14535

Dickey, Roger O.
See Ralph E. Roper, Jr., EE2:Apr 79:309:14518

Dickinson. Robert
See James P. Heaney, UP1:Nov 80:105:15788

Dickinson, William T.
See Tribeni C. Sharma, HY5:May 79:555:14592

Didier, Gerard
New Cell For Study of Swelling Soils, with Richard Kastner and Yvan Bourdeau, SLS:June 80:18

Diehl, Douglas S.
See Kelly M. Peil, CE:Dec 79:50

Diehl, John G.
See Kalman L. Benuska, EM81:Jan 81:152

Diekmann, James E.
Selecting a Cost-Plus Contractor — A Case Study, Preprint No.80-057, Apr 80, 23pp.

Dietz, Albert G.H.
Ten are Elevated to ASCE Honorary Membership, CE:Oct 80:141
See Frank J. Heger, TC2:Dec 79:429:15025
See Mahmoud A. Reda Youssef, Preprint No.80-169, Apr 80, 20pp.

DiGioia, Anthony M., Jr.
See Walter G. Heintzleman, EI2:Apr 80:73:15350

Dilger, Walter H.
See Michel A. Sargious, ST1:Jan 79:53:14314

DiMillio, Albert F.
Performance of Bridge Abutments on Spread Footings, Preprint No.80-534, Oct 80, 9pp.

Dinauer, Philip J.
Section Handbook for Implementation of Manual 55, EI4:Oct 79:179:14875
TR:145:345

Dinchak, William G.
Soil-Cement for Protection of Shorelines, CZ80:Nov 80:2203

Dinelli, Giorgio
Design Model for Thermal Effluents in Rivers, with Leonardo Castellano, HY3:Mar 79:197:14422
TR:145:231

Dines, K. A.
See Edwin F. Laine, GT7:July 80:759:15556

Dingman, Steven
See Keith W. Bedford, HYUS:June 80:289

Diniz, Elvidio V.
Dsc, with William H. Espey, Jr., EE6:Dec 79:1196:15006, of "Stormwater Analysis and Prediction in Houston", EE6:Dec 78:1087:14237

Diskin, Mordechai H.
Parallel Cascades Model for Urban Watersheds, with Simon Ince and Kwabena Oben-Nyarko, HY2:Feb 78:261:13569
Dsc: Hartmut Wittenberg, HY1:Jan 79:115:14270
Clo: HY3:Mar 80:450:15225
TR:145:36
Dsc, TN: HY11:Nov 79:1469:14935, of "Mean Air Concentration of Self-Aerated Flows", TN: HY1:Jan 79:91:14275
Dsc, HY8:Aug 80:1402:15585, of "Estimation of Direct Runoff from Urban Watersheds", HY2:Feb 78:169:13565

Ditlevsen, Ove
Dsc, with Henrik O. Madsen, EM3:June 80:579: 15442, of "Optimal Reliability Analysis by Fast Convolution", EM3:June 79:447:14648

Ditmars, John D.
Dsc, HY10:Oct 78:1463:14047, of "Hydraulic Modeling of Mixing in Stratified Lakes", HY4:Apr 77:367:12868

Di Toro, Dominic M.
Stormwater Interception and Storage, with Mitchell J. Small, EE1:Feb 79:43:14368
Dsc: Raymond J. Dever, Jr., EE2:Apr 80:461: 15296
TR:145:218
See Mitchell J. Small, EE3:June 79:557:14617

DiVietro, Philip V.
Environmental Problems and Products, CE:Sept 79: 94
TR:145:393
Graduating Engineers: 1930/1980, CE:Oct 80:126
Product Case Histories: What Stands Out?, CE:Aug 79:76
TR:145:359
Public Works Directors—Why Do Some Stand Out?, CE:Aug 80:68

Divoky, David J.
See Michael H. Chen, HYUS:June 80:195
See F. H.Y. Wu, HYUS:June 80:327

Dixon, A. Graham
Wave Forces on Partially Submerged Cylinders, with Clive A. Greated and Stephen H. Salter, WW4:Nov 79:421:14996
TR:145:613

Dixon, David G.
See Ernest W. Brumitt, PO80:May 80:218

Dixon, Gerard
See William H. Mooseker, TC1:Apr 79:75:14483

Dixon, Robert M.
Land Imprinting for Better Watershed Management, with John R. Simanton, IRKB:July 80:809

Diyaljee, Vishnu A.
See Gerald Patrick Raymond, GT10:Oct 79:1133: 14900

Dlubac, J. J.
See Alfred David Parr, HYCO:Aug 80:131

Dobbin, W. M.
Dsc, CE:June 80:44, on World's First Iron Bridge, CE:Dec 79:46

Dobry, Ricardo
Dsc, with Richard S. Ladd, GT6:June 80:720:15443, of "Soil Liquefaction and Cyclic Mobility Evaluation for Level Ground during Earthquakes", GT2:Feb 79:201:14380
Dsc, with Richard S. Ladd, GT6:June 80:720:15443, of "Liquefaction Potential: Science Versus Practice", GT3:Mar 79:393:14418
See Izzat M. Idriss, GT12:Dec 78:1427:14265

Dobson, T. V.
See D. B. Robbins, CZ80:Nov 80:236

Dolan, Thomas J.
See Russell C. Eberhart, CZ80:Nov 80:532

Dolce, Carla J.
See Martin Reinhard, EE4:Aug 79:675:14760

Dole, D. J.
See D. T. Curry, ASDC:80:41

Dolecki, Robert C.
Water Source Investigation for Newport News, Va., with Richard E. Underhill and James A. Rhodes, EE80:July 80:249

Domurat, George W.
California Coastal Data Collection Program—Data Collection, Analysis and Dissemination, with Douglas M. Pirie, CZ80:Nov 80:2171
See Douglas M. Pirie, CZ80:Nov 80:2180

Donaldson, George W.
See Antony AB Williams, SLS:June 80:834

Donaldson, Richard M.
The Pactex Project: Any Lessons Learned?, with F. Harlan Flint, Jr., CZ80:Nov 80:365

Dong, Richard G.
Size Effect in Damping Caused by Water Submersion, ST5:May 79:847:14581
Dsc: Richard L.P. Verley, ST5:May 80:1229: 15380; Velu Paramasivam and Kapil C. Barik, ST5:May 80:1231:15380
TR:145:263

Donnel, Logan L.
Dsc, CE:Mar 80:41, on Engineers on the Witness Stand: Guidelines for Expert Testimony, CE:Feb 79:82

Donovan, Neville C.
Development of Expectancy Maps and Risk Analysis, with Bruce A. Bolt and Robert V. Whitman, ST8:Aug 78:1179:13972
Dsc: Santosh Kumar Guha and Janardan G. Padale, ST10:Oct 79:2129:14869
TR:145:75
Uncertainties in Seismic Risk Procedures, with Ann E. Bornstein, GT7:July 78:869:13896
Dsc: Santosh Kumar Guha and Janardan G. Padale, GT5:May 79:703:14549; John A. Blume, GT5:May 79:705:14549; Kutay I. Ozaydin and Ali M. Erguvanli, GT5:May 79:706:14549
Clo: GT3:Mar 80:336:15224
TR:145:119

Donsky, Benjamin
Upsurge and Speed-Rise Charts Due to Pump Shutdown, with Roxanne M. Byrne and Paul E. Bartlett, HY6:June 79:661:14637
Dsc: John Parmakian, HY2:Feb 80:348:15161
Clo: HY9:Sept 80:1539:15663
TR:145:343

Dorrier, Richard C.
Indirect Techniques for Investigating Hazardous Waste Burial Sites, EE80:July 80:576

Doss, Chriss H.
Dsc, CE:July 80:34, on America's Covered Bridges, CE:Feb 80:51

Dougherty, Brian K.
Elastic Deformation of Beams with Web Opening, ST1:Jan 80:301:15136
TR:145:566

Dougherty, William W.
See Robert M. Koerner, Preprint No.80-177, Apr 80, 22pp.

Dougill, John W.
Further Consideration of Progressively Fracturing Solids, with M. A.M. Rida, EM5:Oct 80:1021: 15764

Douglas, Bruce M.
Experimental Dynamics of Highway Bridges, with Charles D. Drown and Monty L. Gordon, EM81: Jan 81:698

Douglas, Walter S.
Summary Session—A, CRLS:Jan 79:II-173

Douty, Richard
Design of Steel Connections by Math Programming, ST5:May 80:1135:15397
Errata: ST10:Oct 80:2141:15722
TR:145:648

Dow, Murray
See George I.N. Rozvany, EM6:Dec 80:1279:15914

Dow, Peter Staub
Memoir of, TR:145:746

Dowding, Charles H.
Cracking and Construction Blasting: Importance of Frequency and Free Response, with P. G. Corser, Preprint No.80-175, Apr 80, 36pp.

Downs, Walter T.
Transportation Planning for Southwest Alaska, MGC: July 80:256

Doyle, Arthur F.
See Frank Notardonato, CE:June 79:65

Doyle, E. H.
See G. Z. Forristall, Preprint No.80-536, Oct 80, 18pp.

Drago, Joseph A.
See Paul Kruger, CE:Oct 80:144

Dravinski, Marijan
Response of Layer to Strike-Slip Vertical Fault, with Mihailo D. Trifunac, EM4:Aug 80:609:15610

Drenick, Rudolf F.
Reliability of Seismic Resistance Predictions, with Chung-Bang Yun, ST10:Oct 79:1879:14876
TR:145:411

Drennon, Clarence B.
Pipe Jacking: State-of-the-Art, CO3:Sept 79:217: 14801
TR:145:398

Dressler, Joachim
Construction Management in West Germany, CO4: Dec 80:477:15878

Drew, Donald A.
Dynamic Model for Channel Bed Erosion, HY6:June 79:721:14634
TR:145:335

Drew, George E.
Post-Tensioning System Surveillance Program, ST2: Feb 79:347:14383
TR:145:190

Drew, Kathleen
Geology of Delaware Barriers: Evironmental Planning, with John C. Kraft, CZ80:Nov 80:830

Dreyfoos, William W.
Access to Coastal Resources: The Access Concept Comes of Age, CZ80:Nov 80:1719

Driscoll, Daniel A.
Statistical Reliability of Ambient Noise Surveys, with William J. Webster, EE80:July 80:399

Driscoll, George C.
See Glenn P. Rentschler, Preprint No.80-179, Apr 80, 20pp.
See Glenn P. Rentschler, ST5:May 80:1005:15386

Drnevich, Vincent P.
Sample Disturbance and Stress-Strain Behavior, with Karl Rainer Massarsch, GT9:Sept 79:1001:14809
TR:145:508
See Karl Rainer Massarsch, GT1:Jan 79:123:14269
See Robert M. Clark, CE:Oct 80:147

Drown, Charles D.
See Bruce M. Douglas, EM81:Jan 81:698

Drysdale, Robert G.
Tensile Strength of Concrete Masonry, with Ahmad A. Hamid and Arthur C. Heidebrecht, ST7:July 79: 1261:14669
TR:145:325
Thick Skin Sandwich Beam Columns with Weak Cores, with Fernando Betancourt-Angel and Geoffrey B. Haddad, ST12:Dec 79:2601:15072
TR:145:501
See Ahmad A. Hamid, ST7:July 79:1227:14670

Du Bey, Richard A.
Striking the Balance in Energy Project Siting, with Cheryl R. Koshuta and Daniel I. Steinborn, CZ80: Nov 80:2135

Dubois, A.
See M. Board, Preprint No.80-167, Apr 80, 18pp.

Duckstein, Lucien
See Martin M. Fogel, IRKB:July 80:176

Duda, Alfred M.
See Neil S. Grigg, HYUS:June 80:33

Dugan, Gordon L.
Sewage Irrigation and Recharge Consequences, Oahu, with L. Stephen Lau, Preprint No.80-075, Apr 80, 21pp.

Duke, C. Martin
See Kenneth W. Campbell, TC2:Dec 79:259:15022

Dukleth, Gorden W.
Dsc, CE:July 80:35, on Conflict on the Job: How to Cope, CE:Dec 79:71

Dumas, Francis
Cyclic Movements of Offshore Structures on Clay, with Kenneth L. Lee, GT8:Aug 80:877:15655

Dumas, Raymond R.
See Andrew R. Blystra, AS80:Aug 80:54

Dumonteil, Pierre
Dsc, EM2:Apr 80:420:15298, of "Optimal Reliability Analysis by Fast Convolution", EM3:June 79:447: 14648

Duncan, Donald B.
Corps of Engineers Initiatives in Water Supply, Preprint No.80-564, Oct 80, 14pp.

Duncan, James M.
Behavior and Design of Long-Span Metal Culverts, GT3:Mar 79:399:14429
Errata: GT6:June 80:730:15443
TR:145:5

Dunder, Vera D.
Computer Aquisition for the Small Contractor, CO2: June 80:173:15497
TR:145:706

Dunlap, David
See Philip Shapiro, CAAA:Nov 79:43

Dunlay, William J., Jr.
Flow Optimization on a Transportation Network, with Nicolau D.F. Gualda, TE1:Jan 79:41:14285
TR:145:69

Dunn, Carroll H.
Contractual Arrangements—A, CRLS:Jan 79:II-85

Dunn, Hubert Glenn T.
Intergovernmental Corrdination in North Carolina, with Charles W. Hollis, CZ80:Nov 80:2027

Dunnell, Robert C.
Remote Sensing in Archaeological Sampling Designs, TE3:May 80:349:15428
TR:145:679

Dunstan, Treve
See J. Robin F. Arthur, GT4:Apr 80:419:15375

Dupas, Jean-Michel
Static and Dynamic Properties of Sand-Cement, with Alain Pecker, GT3:Mar 79:419:14425
TR:145:324

Dupies, Donald A.
Marketing Analysis for A/E Firm, EI1:Jan 80:11: 15155
TR:145:494

Durbin, Warren T.
See Elvin J. Dantin, WW4:Nov 78:375:14184

Durkee, Jackson L.
Erection Strength Adequacy of Long Truss Cantilevers, with Spiro S. Thomaides, ST1:Jan 77: 225:12698
Dsc: John J. Kozak, ST1:Jan 78:229:13451; Richard W. Christie, ST1:Jan 78:230:13451; David Allen, ST2:Feb 78:370:13508; Carl H. Gronquist, ST9:Sept 78:1535:13981
Clo: ST9:Sept 79:1847:14795
TR:145:8

Durocher, Lawrence L.
Stiffness Matrix for Eccentric Beam Segment, with James Kane, TN: ST2:Feb 79:447:14351
Dsc: Leroy Z. Emkin and Kenneth M. Will, TN: ST11:Nov 79:2483:14936
Clo: TN: ST8:Aug 80:1824:15586

Dvirka, Miro
See William F. Cosulich, EE80:July 80:592

Dworsky, Leonard B.
Water Resources Planning and Public Health: 1776-1976, with Bernard B. Berger, WR1:Mar 79:133: 14445
TR:145:104

Dyer, M. R.
See M. M.E. Jeffries, CP80:June 80:16

Dygert, Paul K.
Problems and Options in Financing Urban Transportation, with James M. Holec, UT79A:July 79:220
Dsc: Gene R. Tyndall, UT79A:July 79:246; Gary R. Allen, UT79A:July 79:257; C. Michael Walton, UT79A:July 79:255

Dyhouse, Gary R.
Case Study—Stream Deposition and Changing Land Use, with David T. Williams, IRKB:July 80:215

Dyka, Carl T.
Vibrations of Annular Plates of Variable Thickness, with John F. Carney, III, EM3:June 79:361:14638
TR:145:268

Dyke, Larry D.
See Robert L. Lytton, SLS:June 80:284

Dykstra, Ronald S.
See David J. Hills, EE2:Apr 80:257:15318

Dym, Clive L.
See Robert M. Clark, CE:Oct 80:147

Dysart, Benjamin C., III
See Richard C. Warner, IRKB:July 80:465

Dzierlenga, P. Stanley
See Robert E. Curtis, EY2:Oct 80:131:15739

Eagleson, Peter S.
The Annual Water Balance, HY8:Aug 79:921:14781
TR:145:409

Easley, John T.
Dsc, ST7:July 80:1660:15513, of "Simplified Design of Corrugated Shear Diaphragms", ST7:July 79: 1365:14681

Eason, John E.
Pretreatment Case Studies of Metal Finishers, EE80: July 80:229

Eastman, Charles M.
The GLIDE Language for CAD, with Max Henrion, TC1:Aug 80:171:15659

Eastman, Paul W.
See Daniel P. Sheer, WR1:Mar 80:303:15283

Eberhart, Russell C.
Chesapeake Bay Development Pressures: RAMS Data Base Analysis, with Thomas J. Dolan, CZ80: Nov 80:532

Ebert, Robert B.
See James S. Jenks, HYUS:June 80:405

Eck, Ronald W.
See Robert N. Eli, CP80:June 80:122

Eckmann, Donald E.
Large Advance Waste Treatment Plants, TN: EE4: Aug 80:840:15588

Economides, Spyros
Environmental Optimization of Power Lines, with Manijeh Sharifi, EE4:Aug 78:675:13951
Dsc: Richard L. Church and Timothy J. Clifford, EE2:Apr 79:438:14468; Benjamin F. Hobbs, EE4:Aug 79:794:14720
Clo: EE3:June 80:670:15441
TR:145:83

Eddleman, Lee E.
Coal Mine Reclamation with Native Plants, IRKB: July 80:80

Edelen, George W., Jr.
Flood Studies Led to National Flood Insurance, with George E. Ferguson and Walter B. Langbein, CE: Feb 79:89
TR:145:117

Edgers, Lewis
See Eduardo Kausel, GT12:Dec 79:1471:15065

Edling, Robert J.
See C. Dean Yonts, IRKA:July 80:429

Edwards, Melvin D.
NAWDEX — A Focal Point for Information About Water Data, Preprint No.80-047, Apr 80, 8pp.

Egan, Michael J.
See Colin O'Connor, ST1:Jan 80:331:15107

Eggleston, Keith O.
See R. Gordon Bentley, IRKB:July 80:69
See Jack D. Generaux, IRKB:July 80:607

Eguchi, Ronald T.
A Seismic Hazard Evaluation of California, C080:80, 66pp.
See Kenneth W. Campbell, TC2:Dec 79:259:15022

Ehrgott, John Q.
See John G. Jackson, Jr., GT8:Aug 80:839:15640

Eichenberger, Bert A.
Methodology for Effluent Water Quality Prediction, with Kenneth Y. Chen, EE1:Feb 80:197:15212
TR:145:649

Eichert, Bill S.
See George F. McMahon, WR1:Mar 80:239:15248

Einstein, Herbert H.
Simplified Analysis for Tunnel Supports, with Charles W. Schwartz, GT4:Apr 79:499:14541
Dsc: A. M. Muir Wood, GT7:July 80:832:15511; Michael J. Pender, GT7:July 80:833:15511
Clo: GT7:July 80:835:15511
TR:145:358

Eisele, Donald O.
Role of Innovative Engineering in Rail Operations, MGC:July 80:138

Eisenstein, Zdenek
See Erman Evgin, Preprint No.80-545, Oct 80, 14pp.

El-Aini, Yehia M.
Effect of Imperfections on Vertical Track Buckling, EM6:Dec 78:1327:14221
Errata: EM5:Oct 79:919:14866
TR:145:106

El-Amin, F. M.
See M. A. Kassem, TN: ST7:July 80:1645:15517

Elango, K.
Aquifers: Finite-Element Linear Programming Model, with Gerhard Rouve, HY10:Oct 80:1641:15734

El-Baroudi, Hassan M.
See Joseph A. Cermola, EE6:Dec 79:1035:15042

Eldar, Jacob
Largest Inverted Shell Houses Two Theaters, CE: June 79:74
TR:145:274

El-Hakim, Noor
See Kinh H. Ha, ST7:July 79:1365:14681

Eli, Robert N.
Digital Terrain Models in Civil Engineering Design, with Ronald W. Eck, CP80:June 80:122

Elias, Ziad M.
Dsc, ST7:July 80:1671:15513, of "Equivalent Frame Analysis for Lateral Loads", ST10:Oct 79:1981:14931

Eliufoo, Krigo S.
See Stuart E. Swartz, TN: ST5:May 80:1203:15384

Elkow, Milton O.
Dsc, ST10:Oct 80:2140:15722, of "Quinnipiac River Bridge Cracking", ST4:Apr 80:773:15343

Ellifritt, Duane S.
Dsc, CE:May 80:31, on Winter Roof Collapses: Bad Luck or Bad Design?, CE:Dec 79:42

Ellinas, Charles P.
Cooling Towers with Circumferential Imperfections, with James G.A. Croll and Kenneth O. Kemp, ST12:Dec 80:2405:15910

Ellingwood, Bruce R.
Approaches for Design against Progressive Collapse, with E. V. Leyendecker, ST3:Mar 78:413:13610
Dsc: Joseph Varsano, ST1:Jan 79:266:14271
Clo: ST11:Nov 79:2469:14936
TR:145:34
Effects of Fire on Reinforced Concrete Members, with James R. Shaver, ST11:Nov 80:2151:15802
Reliability Analysis of Steel Beam-Columns, with Timothy A. Reinhold, TN: ST12:Dec 80:2560:15874
Reliability Based Criteria for Reinforced Concrete Design, ST4:Apr 79:713:14480
Dsc: Benjamin Koo, ST4:Apr 80:936
Clo: ST10:Oct 80:2119:15722
TR:145:243
Reliability of Current Reinforced Concrete Designs, ST4:Apr 79:699:14479
TR:145:239
See Robert M. Clark, CE:Oct 80:147

Elliot, Russell V.
See Eliseo M. Chan, EE2:Apr 79:429:14468

Elliott, Arthur L.
Aesthetic Development of California's Bridges, Preprint No.80-004, Apr 80, 22pp.

Elliott, Ronald L.
Comparison of Sprinkler Uniformity Models, with James D. Nelson, Jim C. Loftis and William E. Hart, IR4:Dec 80:321:15913

Ellis, Brian R.
See Alan P. Jeary, EM81:Jan 81:281

Ellis, Franklin W.
Converging Flow Model Applied to Urban Catchment, with Fred V. Ramsey and George M. Hornberger, HY9:Sept 80:1457:15711

Ellis, John S.
See H. H. Hafez, ST2:Feb 79:359:14362
See Ibrahim A. Hathout, ST9:Sept 79:1805:14852

Ellis, Shelley S.
A Temperature Model for Small Mountain Streams, with Stanley L. Ponce and L. Eric Siverts, IRKB: July 80:494

Ellison, Richard D.
See D. K. Shukla, Preprint No.80-168, Apr 80, 19pp.

Ellyin, Fernand
See Fouad H. Victor, ST7:July 79:1509:14689

Elman, W.
See Harold J. Day, CE:Mar 80:78

Elms, David G.
Dsc, EM6:Dec 80:1452:15865, of "The Merging of Fuzzy and Crisp Information", EM1:Feb 80:123:15201
See Rowland Richards, Jr., GT4:Apr 79:449:14496

Elsawy, Elsayed M.
See Eamon J. McKeogh, HY10:Oct 80:1577:15742

El-Sebakhy, Ibrahim S.
See John B. Kennedy, ST12:Dec 80:2443:15929

Elsharkawi, Karim
Buckling of Multibay Stiffened Plate Panels, with Alastair C. Walker, ST8:Aug 80:1695:15594

Elwi, Alaa A.
A 3D Hypoelastic Concrete Constitutive Relationship, with David W. Murray, EM4:Aug 79:623:14746
Dsc: Zdenek P. Bazant, EM2:Apr 80:422:15298
TR:145:360

Elwood, John R.
Combined Sewer Overflow Controls for Boston Harbor, with William F. Callahan and John A. Mueller, EE80:July 80:464

Emanuel, Jack H.
Temperature Distributions in Composite Bridges, with J. Leroy Hulsey, ST1:Jan 78:65:13474
Dsc: Vic A. Cundy, Kynric M. Pell and John E. Nydahl, ST1:Jan 79:261:14271
Clo: ST5:May 80:1219:15380
TR:145:27

Emerson, Raymond R.
See Robert J. Brock, CZ80:Nov 80:1112

Emig, Donald K.
See Frank A. Jones, Jr., EE80:July 80:571

Emkin, Leroy Z.
Dsc, with Kenneth M. Will, TN: ST11:Nov 79:2483:14936, of "Stiffness Matrix for Eccentric Beam Segment", TN: ST2:Feb 79:447:14351
See R. Richard Avent, ST1:Jan 80:87:15126

Emmer, Rodney Edwin
The Evolution of Mitigation in a Highway System, CZ80:Nov 80:1119

Endley, Shailendra N.
A Study of Axial Pile Load Tests, with Edward J. Ulrich, Jr. and Janice B. Gray, GTDF:80:101

Engberg, David
Multiobjective Modeling for OCS Pipeline Systems, with Jared Cohon and Charles ReVelle, CZ80:Nov 80:684

Engel, Peter
Calibration of Bed-Load Samplers, with Y. Lam Lau, TN: HY10:Oct 80:1679:15725
Computation of Bed Load Using Bathymetric Data, with Y. Lam lau, HY3:Mar 80:369:15255
TR:145:615

Engeling, Paul
See W. C. Wan, GTDF:80:495

Engelund, Frank
Dsc, HY6:June 79:764:14600, of "Buoyant Surface Jet in Tidal Longshore Current", HY11:Nov 78:1505:14186

Englekirk, Robert E.
Seismic Design of Concrete Block Masonry Shear Walls, with Gary C. Hart, Preprint No.80-681, Oct 80, 13pp.

Englerth, William Moyer, Sr.
Memoir of, TR:145:747

English, Marshall J.
Designing for Deficit Irrigation, with G. S. Nuss, IRKA:July 80:312

Enkeboll, William
Case Histories of Harbor Developments in Weak Soils, with Vernon A. Smoots, WW4:Nov 80:429:15832

Eppink, Richard T.
See Timothy O. Weaver, EM81:Jan 81:252

Epstein, Howard I.
Stresses in Floating Roofs, with John R. Buzek, ST5:May 78:735:13740
Dsc: Andre G. Vinckier, ST5:May 79:969:14551
Clo: ST1:Jan 80:353:15098
TR:145:53
Dsc, ST10:Oct 80:2134:15722, of "Torsional Buckling Study of Hartford Coliseum", ST1:Jan 80:211:15124
See Erling A. Smith, Preprint No.80-062, Apr 80, 13pp.
See Erling A. Smith, CE:Apr 80:59
See M. A. Tucchio, EM81:Jan 81:658

Erb, Thomas L.
Analysis of Landfills with Historic Airphotos, with Warren R. Philipson, William L. Teng and Ta Liang, AS80:Aug 80:15

Erdmann, John B.
Simplified Diurnal Curve Analysis, EE6:Dec 79:1063:15026
TR:145:535

Ergin, Aysen
Surface Dispersion in Wave Flume, WW4:Nov 80:449:15854

Erguvanli, Ali M.
See Kutay I. Ozaydin, GT5:May 79:706:14549

Erickson, Bradley P.
See Frank W. Pita, Preprint No.80-136, Apr 80, 22pp.

Erickson, John R.
Using High Salinity Waters in the Southwest, IRKA:July 80:198

Eriksen, Karl W.
See Jeffrey B. Bradley, TN: HY4:Apr 80:624:15301

Ervin, Maxwell C.
Dsc, with Brian C. Burman, GT4:Apr 80:477:15300, of "Undrained Shear Tests on Clays", GT1:Jan 79:49:14311

Erzurumlu, Hacik
See Donald R. Sherman, ST6:June 79:1055:14627

See Wendelin Barrett, Preprint No.80-112, Apr 80, 20pp.

Escario, V.
See Leonard Krazynski, SLS:June 80:683

Escario, Ventura
Suction Controlled Penetration and Shear Tests, SLS: June 80:781

Escoffier, Francis F.
Inlet Stability Solutions for Tributary Inflow, with Todd L. Walton, Jr., WW4:Nov 79:355:14964
Dsc: Per Moller Bruun, WW4:Nov 80:504:15789
TR:145:561

Espey, William H., Jr.
See Elvidio V. Diniz, EE6:Dec 79:1196:15006

Espinoza, Julio M.
See Ching S. Chang, GT5:May 80:531:15438

Estes, Edward R., Jr.
Dsc, ST10:Oct 79:2134:14869, of "Load and Resistance Factor Design Criteria for Connectors", ST9:Sept 78:1427:14017

Estes, W. Eugene
The Organization: Its Effect on Project Managers, with Arnold M. Ruskin, Preprint No.80-615, Oct 80, 14pp.

Euler, Gary
The AAP: A Package of Arterial Analysis Programs, with Ken Courage and Steve Shapiro, CP80:June 80:560

Euler, Gordon M.
See Robert J. Brock, CZ80:Nov 80:1112

Evans, James B.
Water Temperature Mapping by Infrared Scanner, AS80:Aug 80:118

Evans, Nan
Conflict Resolution: Lessons from Grays Harbor, CZ80:Nov 80:776

Evans, R. W.G.
Sewage Treatment Site Selection, Phillip Island, Victoria, with O. J. Scroggie, ASDC:80:140

Evans, Ralph L.
See Veerasamy Kothandaraman, EE3:June 79:547: 14616

Evans, Robert G.
See Wynn R. Walker, IR1:Mar 79:1:14454
See Wynn R. Walker, IR1:Mar 79:15:14455
See Gaylord V. Skogerboe, WR2:Sept 79:329:14849
See Gaylord V. Skogerboe, IRKA:July 80:298

Everett, John R.
See Orville R. Russell, TE5:Sept 80:523:15676

Everts, Craig H.
Human Influence on the Sediment Budget of a Barrier Island, CZ80:Nov 80:863
See Edward Meisburger, CZ80:Nov 80:810

Evgin, Erman
Re-Evaluation of Work Hardening Model, with Zdenek Eisenstein, Preprint No.80-545, Oct 80, 14pp.

Faddick, Robert R.
See Steven M. Rasey, TE6:Nov 80:815:15841

Faherty, Keith F.
Failure of Wood Roof Systems Under Snow Load, Preprint No.80-113, Apr 80, 13pp.

Fain, Gary
Cooling Tower Pump Intakes, with Robert Cornman and Fred Antunes, Preprint No.80-651, Oct 80, 15pp.

Fairweather, Virginia
Conflict on the Job: How to Cope, CE:Dec 79:71
Dsc: Gorden W. Dukleth, CE:July 80:35; John P. Gnaedinger, CE:June 80:30; Gary K. Grinnell, CE:June 80:32
TR:145:529
Confusion Prevails in Federal Minority Business Efforts, CE:Sept 79:91
TR:145:388
Construction Risk: Who Pays?, CE:Apr 79:64
Dsc: Curtis R. Allen, CE:July 79:31; Joseph E. Manzi, CE:Oct 79:28
TR:145:188
Space: A Place to Work, CE:July 79:48
TR:145:301
U.S. Water Policy: Putting the Lid on the Pork Barrel, CE:Apr 80:53
Dsc: Frank H. Thomas, CE:Sept 80:40
TR:145:649
See Mary Rabbitt, CE:Feb 79:68

Falby, William E.
See Ernest T. Selig, CE:Mar 79:68

Falconer, Roger A.
Numerical Modeling of Tidal Circulation in Harbors, WW1:Feb 80:31:15187
TR:145:703

Fallon, Bradley
See Enno Koehn, CO4:Dec 79:331:15092

Falvey, Donald A.
Shore Protection Decisions for Sandy Hook, with William J. Funge, CZ80:Nov 80:2322

Falvey, Henry T.
Mean Air Concentration of Self-Aerated Flows, TN: HY1:Jan 79:91:14275
Dsc: Mordechai H. Diskin, TN: HY11:Nov 79: 1469:14935
Clo: TN: HY8:Aug 80:1407:15585

Fang, Ching Seng
See Christopher S. Welch, PO80:May 80:614

Fang, Hsai Yang
Geotechnical Properties and Foundation Problems of Shanghai Soft Clays, Preprint No.80-176, Apr 80, 23pp.

Fang, Pen J.
See Umesh Chandra, EY2:Oct 80:113:15730

Fang, Shih-lih Steve
Design of a Tanker Mooring System for Dynamic Loads, with Robert M. Schneider, PO80:May 80: 747

Fangmeier, Delmar D.
See Albert J. Clemmens, IR3:Sept 78:337:13980
See David W. Fonken, IR3:Sept 80:203:15694

Fardis, Michael N.
Accident and Seismic Containment Reliability, with C. Allin Cornell and John E. Meyer, ST1:Jan 79: 67:14305
TR:145:144

Farmer, Eugene E.
Shear Stiffness of Concrete by Finite Elements, with Oral Buyukozturk, ST6:June 80:1311:15463
Errata: ST12:Dec 80:2584:15868
TR:145:670
Shear Transfer Model for Reinforced Concrete, with Oral Buyukozturk, EM2:Apr 79:255:14507
TR:145:220

Farmer, Eugene E.
Phosphate Mine Dump Hydrology, IRKB:July 80:846
Phosphate Mine Dump Stability and Revegetation, with Bland Z. Richardson, IRKB:July 80:888
See Roland W. Jeppson, IRKB:July 80:855

Farquhar, Grahame J.
See Raymond L. Alarie, EE2:Apr 80:293:15312

Farr, J. Steven
Plain Concrete Underreams for Drilled Shafts, with Lymon C. Reese, ST6:June 80:1329:15503
TR:145:680
Dsc, CO4:Dec 79:402:15005, of "What to Do If You Think A Pile Claim Is Coming", CO4:Dec 78:503:14202
Dsc, CO2:June 80:223:15440, of "Vibrations Associated with Pile Driving", CO4:Dec 78:385:14205

Farshad, Mehdi
Wave Propagation in Prestressed Curved Rods, EM2:Apr 80:395:15373
TR:145:651

Farvolden, Robert N.
See Michael G. Sklash, IRKB:July 80:743

Fattah, E. A.
See Raymond N.Y. Yong, Preprint No.80-646, Oct 80, 14pp.

Favillier, Michael
See Jean-Guy Beliveau, EM81:Jan 81:775

Favretto, Richard J.
Competition and Professional Ethics, EI3:July 79:137:14700
Dsc: Milton F. Lunch, EI1:Jan 80:70:15096; Louis F. Pierce, EI2:Apr 80:163:15297
TR:145:288

Fawcett, James
See Lowdon Wingo, CZ80:Nov 80:2052

Faye, Robert E.
See Harvey E. Jobson, HY4:Apr 79:295:14499

Fazio, Alfred E.
Track Maintenance: Management and Planning, TE6:Nov 80:705:15810

Fazio, Paul P.
Nonlinear Elastic Analysis of Panelized Shear Sandwich Walls, with Santi Rizzo, ST6:June 79:1187:14649
TR:145:304
See Kinh H. Ha, ST9:Sept 78:1495:14033
See Kinh H. Ha, ST7:July 79:1365:14681

Feben, J. C.
See J. S. Balfour, PO80:May 80:504

Fedock, Joseph J.
Earth Media Effects in Soil-Structure Interaction, Preprint No.80-036, Apr 80, 17pp.

Fedorowicz, Yaron
See Uzi Landau, TE1:Jan 80:71:15103

Feeser, Larry J.
RPI's Computer Graphics Installation, CP80:June 80:391
See Michael J. O'Rourke, CP80:June 80:450

Feiler, William S.
Engineers and the Professional Corporation, EI3:July 80:219:15543

Feldman, Arlen D.
Flood Hydrograph and Peak Flow Frequency Analysis, EFHYF:Mar 79:1

Feldscher, Carl B.
A New Manual on Map Uses, Scales, and Accuracies, SU1:Nov 80:143:15853

Fellenius, Bengt H.
Dsc, GT10:Oct 79:1262:14867, of "Downdrag on Bitumen-Coated Piles", GT11:Nov 78:1355:14141

Fellman, R. T.
Zero Discharge Waste Management for a Coal-Fired Power Plant under Environmental and Resource Constraints, with M. F. Kuo, H. H. Yeh and J. F. Fitzpatrick, EE80:July 80:221

Fellows, Jack D.
See Robert M. Ragan, AS80:Aug 80:33

Felsburg, Robert W.
See Andrew C. Lemer, SU80:June 80:129

Feng-shi, Ma
See Liu Teh-fu, WW4:Nov 80:469:15862

Fenves, Steven J.
Quality Assurance of Engineering Software, with Robert L. Schiffman, TC1:Apr 79:57:14482
TR:145:56
Software for Analysis of Standards, CP80:June 80:82
See Neal M. Holtz, CP80:June 80:92
See William Rasdorf, CP80:June 80:102

Fereig, Sami M.
Indirectly Loaded Reinforced Concrete Beams, with Kenneth N. Smith, ST7:July 79:1319:14674
TR:145:337

Ferguson, David L.
TNRIS Links Users to Water Related Data in Texas, Preprint No.80-162, Apr 80, 12pp.

Ferguson, George E.
See George W. Edelen, Jr., CE:Feb 79:89

Fernelius, Wayne A.
East Mesa Geothermal Test Site, with Martin K. Fulcher, EE1:Feb 79:13:14361
TR:145:205

Ferral, R. Larry
See Robert J.C. Burnash, EFHYF:Mar 79:303

Ferrara, Raymond A.
Dynamic Nutrient Cycle for Waste Stabilization Ponds, with Donald R.F. Harleman, EE1:Feb 80:37:15168
TR:145:597

Ferrick, Michael G.
Flow Routing in Tailwater Streams, HYCO:Aug 80:192

Feuerstein, Donald L.
See William O. Maddaus, WR2:Sept 79:343:14853

Pfolliott, Peter F.
See William O. Rasmussen, IRKB:July 80:781

Fidjestol, Per
Dsc, ST9:Sept 80:1994:15665, of "Physical Model for Steel Corrosion in Concrete Sea Structures—Theory", ST6:June 79:1137:14651
Dsc, ST9:Sept 80:1994:15665, of "Physical Model for Steel Corrosion in Concrete Sea Structures—Application", ST6:June 79:1155:14652

Field, Richard
EPA Research in Urban Stormwater Pollution Control, HY5:May 80:819:15389
TR:145:650

Fiessler, Bernd
Quadratic Limit States in Structural Reliability, with Hans-Joachim Neumann and Rudiger Rackwitz, EM4:Aug 79:661:14739
Errata: EM6:Dec 80:1444:15865
TR:145:341
See Rudiger Rackwitz, EM5:Oct 79:918:14866

Figi, Heinrich
See Mohsen M. Baligh, GT11:Nov 78:1355:14141

Figueroa, Jose L.
See Lutfi Raad, TE1:Jan 80:111:15146

Filippelli, John
See Gerard Soffian, CAAA:Nov 79:126

Filliben, James J.
See Emil Simiu, ST4:Apr 80:809:15334
See Emil Simiu, ST12:Dec 80:2365:15909

Filson, H. L.
See D. G. Fredlund, SLS:June 80:1

Finbarr, Albert O.
See Samuel P. Clemence, Preprint No.80-116, Apr 80, 22pp.

Findikakis, Angelos N.
Numerical Simulation of Gas Flow in Sanitary Landfills, with James O. Leckie, EE5:Oct 79:927:14896
Dsc: Raymond L. Huitric, EE5:Oct 80:1009:15717
TR:145:512
Numerical Simulation of Turbulent Stratified Flows in Surface Water Impoundments, with Robert L. Street, HYCO:Aug 80:249
On the Effect of the Value of the Eddy Coefficients on the Simulated Vertical Structure of Stratified Flows, with Robert L. Street, HYCO:Aug 80:377

Fine, Hyman J.
Tidal Protection Measures — Social and Legal Problems, HYUS:June 80:44

Fink, Harold T.
See Harold Samelson, CP80:June 80:484

Finkelstein, Kenneth
See Edward Meisburger, CZ80:Nov 80:810

Finn, Fred N.
Management Systems for Pavement Maintenance, TE4:July 79:457:14709
TR:145:330

Finn, W. D. Liam
Soil as an Anisotropic Kinematic Hardening Solid, with Geoffrey R. Martin, Preprint No.80521, Oct 80, 19pp.
Verification of Non-Linear Effective Stress Model in Simple Shear, with Shobha K. Bhatia, Preprint No.80-520, Oct 80, 13pp.
Wave Induced Instability in Ocean Floor Sands, with R. Siddharthan and Geoffrey R. Martin, Preprint No.80-638, Oct 80, 14pp.
See Yoginder P. Vaid, GT10:Oct 79:1233:14909

Finstein, M. S.
See F. C. Miller, EE80:July 80:40

Fintel, Mark
Aseismic 00320001 B_m d 28 Design Of A 31-Story Frame-Wall Building, with S. K. Ghosh, EM81:Jan 81:874

Fischer, Edward E.
See Subhash C. Jain, HY11:Nov 80:1827:15845

Fischer, Gregory R.
See Kenneth F. Rosanski, Preprint No.80-535, Oct 80, 14pp.

Fischer, H. C.
Dsc, CO1:Mar 79:110:14400, of "Estimating Masonry Wall and Column Costs", CO4:Dec 77:627:13413

Fischer, Joseph A.
See Demetrious C. Koutsoftas, GT6:June 80:645:15499

Fischer, Karsten
Dsc, HY6:June 78:945:13787, of "Accurate Calculation of Transport in Two Dimensions", HY11:Nov 77:1259:13336

Fischer, Paul G., Jr.
Practical Aspects of Town Water Planning, with Tsung Ting Chiang, WR1:Mar 80:159:15279
TR:145:559

Fishback, Edward W., Jr.
Manpower Management - A Data Base Application, CP80:June 80:651

Fisher, Carlton
Success Despite Our Worship, HW80:Mar 80:96

Fisher, Charles H.
See Daniel Muslin, CZ80:Nov 80:891

Fisher, John W.
Evaluations of Fracture of Lafayette Street Bridge, with Alan W. Pense and Richard Roberts, ST7:July 77:1339:13059
Dsc: Carl E. Hartbower, ST5:May 79:956:14551
Clo: ST2:Feb 80:569:15162
TR:145:9
Load and Resistance Factor Design Criteria for Connectors, with Theodore V. Galambos, Geoffrey L. Kulak and Mayasandra K. Ravindra, ST9:Sept 78:1427:14017
Dsc: Edward R. Estes, Jr., ST10:Oct 79:2134:14869
Clo: ST9:Sept 80:1985:15665
TR:145:94
Long Time Observation of a Fatigue Damaged Bridge, with Robert E. Slockbower, Hans Hausammann and Alan W. Pense, Preprint No.80-029, Apr 80, 22pp.
Quinnipiac River Bridge Cracking, with Alan W. Pense, Hans Hausammann and George R. Irwin, ST4:Apr 80:773:15343
Dsc: Milton O. Elkow, ST10:Oct 80:2140:15722
TR:145:630
See Karl H. Frank, ST9:Sept 79:1727:14823

Fisher, Lawrence T.
See Frank L. Scarpace, AS80:Aug 80:88

Fisk, Edward R.
Evaluation of Owner Comments on Specifications, CO4:Dec 80:469:15875
Influence of Specifications Format on Contract Administration, Preprint No.80-007, Apr 80, 13pp.

FitzGerald, Duncan M.
Tidal Inlet Effects on Barrier Island Management, with Miles O. Hayes, CZ80:Nov 80:2355

Fitzpatrick, J. F.
See R. T. Fellman, EE80:July 80:221

Fitzpatrick, James J.
See Robert V. Thomann, EE80:July 80:130

FitzPatrick, Joseph A.
See Dimitrios K. Atmatzidis, WW1:Feb 79:33:14342

Fitzpatrick, Kathy H.
Providing Public Waterfront Access in Maryland, with Trisha A. Bednarz and Earl H. Bradley, Jr., CZ80:Nov 80:1406

FitzSimons, Neal
Structural Failure, TC1:Aug 80:141:15625

Flachsbart, Barry B.
Managing Software Development, TC1:Apr 79:51:14481
TR:145:39

Flachsbart, Peter G.
Residential Site Planning and Perceived Densities, UP2:Nov 79:103:14948
TR:145:731

Flanders, Allen F.
Data Management Using Computers and CRT Displays, MGC:July 80:343
Satellite Data Collection Platforms in River and Flood Forecasting, with J. W. Schiesl, ASDC:80:300
Selected Areas of Aerospace Technical Applications to Civil Engineering, TE3:May 79:223:14563
TR:145:214

Flanders, Michael U.
Development of a Landfill Classification System, CP80:June 80:239
See Albert J. Klee, EE1:Feb 80:163:15205

Flavigny, Etienne
Dsc. with Felix Darve, GT1:Jan 79:115:14269, of "Membrane Penetration and Its Effect on Pore Pressures", GT11:Nov 77:1267:13331
Dsc, with Pierre Foray and Felix Darve, GT9:Sept 79:1126:14792, of "Prediction of Undrained Behavior of Sand", GT6:June 78:721:13834

Fleming, Forney Withers
Memoir of, TR:145:748

Fleming, William H., Jr.
Dual Recharge Well for Water Supply Stabilization, with Gerald E. Speitel, EE80:July 80:257

Fletcher, Bobby P.
Specific Model Studies of Pumping Station Sumps, with John L. Grace, Jr., Preprint No.80-640, Oct 80, 14pp.

Fletcher, G. Louis
See Samuel Aroni, TE6:Nov 79:667:14966

Fleury, C.
Primal and Dual Methods in Structural Optimization, with Lucien A. Schmit, ST5:May 80:1117:15431
TR:145:663

Flick, Reinhard E.
Paddle Generated Waves in Laboratory Channels, with Robert T. Guza, WW1:Feb 80:79:15175
TR:145:655

Flinkstrom, Marcia
See Paul L. Bishop, EE5:Oct 80:977:15760

Flint, F. Harlan, Jr.
See Richard M. Donaldson, CZ80:Nov 80:365

Flores, Albert
Engineers' Professional Rights, EI4:Oct 80:389:15774

Flores, Jesus Acosta
See Rodolofo Felix Valdes, MGC:July 80:378

Florman, Samuel C.
Dsc, CE:June 80:40, on Energy Conservation: Long-Overlooked Cheap Source of Energy, CE:Dec 79:77

Flug, Marshall
Energy-Water-Salinity: Upper Colorado River Basin, with Wynn R. Walker and Gaylord V. Skogerboe, WR2:Sept 79:305:14844
TR:145:220
See Richard J. McAniff, WR2:July 80:401:15548

Flynn, Kevin B.
Earthwork Quantity Surveys at Damsites, ASDC:80:124

Focht, John A., Jr.
Progress in Marine Geotechnical Engineering, with Leland Milo Kraft, Jr., GT10:Oct 77:1097:13301
Dsc: Vukoslav E. Aguirre, GT4:Apr 78:517:13645
TR:145:32
Sims is New ASCE President-Elect; Nine Other National Offices Filled, CE:Oct 80:144

Focsa, Vlad
Sedimentation in Iron Gates Reservoir on the Danube, HY10:Oct 80:1659:15782

Foehner, Olin H.
Managing Snowpack Augmentation Research, IRKA:July 80:85

Foess, Gerald W.
Industrial Waste Monitoring: A Statistical Approach, with Wayne St. John, EE5:Oct 80:947:15758

Fogel, Martin M.
Predicting Sediment Yield from Strip-Mined Land, with Louis H. Hekman, Jr. and Lucien Duckstein, IRKB:July 80:176

Fok, Alan T.K.
Design Charts for Air Chamber on Pump Pipe Lines, HY9:Sept 78:1289:14024
Dsc: M. Hanif Chaudhry, HY10:Oct 79:1322:14868; A. B. Almeida and J. Hipolito, HY10:Oct 79:1324:14868; Eugen Ruus, HY9:Sept 80:1525:15663
TR:145:126

Foley, James L., Jr.
Highway Safety and Roadside Hazards, TE6:Nov 80:617:15799

Fondahl, John W.
Reducing Costs in Urban Transportation Construction, with Boyd C. Paulson, Jr. and Henry W. Parker, CO1:Mar 79:51:14406
TR:145:213

Fong, Patrick T.
See Kul Bhushan, GT8:Aug 79:969:14789

Fonken, David W.
Mathematical Model of Border Irrigation, with Thomas Carmody, Emmett M. Laursen and Delmar D. Fangmeier, IR3:Sept 80:203:15694

Fonseka, G. U.
See D. Krajcinovic, Preprint No.80-522, Oct 80, 13pp.

Fontijn, H. L.
The Berthing of a Ship to a Jetty, WW2:May 80:239:15407
Errata: WW4:Nov 80:509:15789
TR:145:732

Foott, Roger
Embankments Through Cross River Swamp, with Dan Devecseri, C. N. Aneke, J. O. Jackson and Charles C. Ladd, GT3:Mar 80:219:15288
TR:145:687

Foray, Pierre
See Etienne Flavigny, GT9:Sept 79:1126:14792

Ford, David T.
Interactive Nonstructural Flood-Control Planning, CP80:June 80:331
Dsc, HY9:Sept 80:1557:15663, of "Optimization of Unit Hydrograph Determination", HY1:Jan 80:85:15129

Ford, Dennis E.
Thermal Predictions using Integral Energy Model, with Heinz G. Stefan, HY1:Jan 80:39:15119
TR:145:536

Ford, Duane B.
Pipe Joints, Joint Spacing and Joint Movement Considerations in the Design of Pipelines, Preprint No.80-126, Apr 80, 22pp.

Foree, Edward G.
See Jonathan F. Henry, EE6:Dec 79:1131:15054
See John S. Tapp, IRKB:July 80:615

Forell, Nicholas F.
Aseismic Reinforcement of Existing Building, with Guy J.P. Nordenson, ST9:Sept 80:1907:15700

Forester, Clifford K.
Dsc, HY10:Oct 78:1466:14047, of "Accurate Calculation of Transport in Two Dimensions", HY11:Nov 77:1259:13336

Formes, John J.
Dsc, CO3:Sept 80:433:15661, of "Proposed Construction Management Specification", CO4:Dec 79:367:15027

Forristall, G. Z.
Sea Wave Attenuation due to Deformable Bottoms, with A. M. Reece, M. E. Thro, E. G. Ward, E. H. Doyle and R. C. Hamilton, Preprint No.80-536, Oct 80, 18pp.

Forsten, Irving
Disposal of Hazardous Toxic Munition Waste, EE80:July 80:440

Fortier, David H.
Sediment from a Small Summer Grazed Watershed, with Myron Molnau and Keith E. Saxton, IRKB:July 80:790

Foschi, Ricardo O.
Glued-Laminated Beam Strength: A Model, with J. David Barrett, ST8:Aug 80:1735:15599

Foss, J. W.
Telecommunications After Earthquakes, with J. D. Scobee, C080:80:134

Foster, Charles R.
Dsc, GT11:Nov 80:1290:15783, of "Dynamics of Vibratory-Roller Compaction", GT10:Oct 79:1211:14907
Dsc, with Richard W. Smith, TE6:Nov 80:857:15787, of "Sulfur: Potential Pavement Binder of the Future", TE5:Sept 79:525:14835

Foster, George R.
Estimating Sediment Yield from Cultivated Fields, with Leonard J. Lane and Walter G. Knisel, Jr., IRKB:July 80:151
See Leonard J. Lane, IRKB:July 80:200

Foster, Robert W.
Mapping Massachusetts Wetlands, SU1:Nov 80:95:15818

Foster, William S.
Dsc, CE:Nov 79:30, on Will EPA Relax Its Mandatory Secondary Treatment Requirement?, CE:June 79:88

Foute, Steven J.
Preferential Acquisition of Development Rights, UP1:May 78:41:13732
Errata: UP2:Nov 79:175:14939
TR:145:272

Fowler, David W.
See Clayford T. Grimm, ST7:July 79:1277:14666

Fowler, Jack
Design and Construction of Fabric Reinforced Embankments, with T. Allan Haliburton, Preprint No.80-177, Apr 80, 30pp.

Fowler, Timothy J.
Acoustic Emission of Fiber Reinforced Plastics, TC2:Dec 79:281:15021
TR:145:351

Fox, Arthur J., Jr.
Productivity in the Construction Industry, EI1:Jan 78:49:13462
Dsc: H. Murray Hohns, EI1:Jan 79:48:14267
Clo: EI1:Jan 80:65:15096
TR:145:31

Fox, George A.
Keynote Address, CRLS:Jan 79:II-9

Fox, Gerard F.
See F. B. Couch, Jr., CE:Oct 80:154

Fragaszy, Richard J.
Dsc, with G. Wayne Clough, GT6:June 80:734:15443, of "Seismic Behavior of Gravity Retaining Walls", GT4:Apr 79:449:14496

Franchi, A.
Uniqueness of Solution in Limit Analysis of Structures, with M. Z. Cohn, EM5:Oct 78:1229:14091
Errata: EM6:Dec 79:1068:15007

TR:145:84
See M. Z. Cohn, ST4:Apr 79:789:14526

Francis, Chester W.
See William J. Boegly, Jr., EY2:Oct 80:179:15757

Frank, Carolyn
See Joseph R. Stowers, UT79A:July 79:256

Frank, Karl H.
Fatigue Strength of Anchor Bolts, ST6:June 80:1279:15465
TR:145:672
Fatigue Strength of Fillet Welded Cruciform Joints, with John W. Fisher, ST9:Sept 79:1727:14823
TR:145:392

Frankel, Ernst G.
Port Capacity Determination and Planning, with Chang Bin Tang, PO80:May 80:193

Franklin, Joel N.
Beam Equation with Variable Foundation Coefficient, with Ronald F. Scott, EM5:Oct 79:811:14926
TR:145:442

Frankos, N. H.
See L. J. Sikora, EE2:Apr 80:351:15310

Franz, Delbert D.
Dsc, HY8:Aug 79:1041:14723, of "Flood Routing by Characteristic Methods", HY7:July 78:1075:13866
Dsc, HY8:Aug 79:1043:14723, of "Mathematical Simulation of Dam-Break Flow", HY7:July 78:1011:13883
See K. M. Leytham, EFHYF:Mar 79:20

Fraser, William E.
Dsc, Missed a Birthday, CE:Oct 80:32

Frazier, Gerald A.
See Steven M. Day, EM1:Feb 79:29:14339

Frazier, John G.
Marine Turtles and Problems in Coastal Management, CZ80:Nov 80:2395

Freas, Alan D.
See Joseph H. Kaiserlik, TN: ST10:Oct 78:1687:14048

Frederick, Ralph H.
Interstorm Relations in Pacific Northwest, HY12:Dec 78:1577:14255
Dsc: Clayton L. Hanson, HY11:Nov 79:1459:14935; Norman Miller and Roger G. Cronshey, HY11:Nov 79:1461:14935; Bob Buehler, HY1:Jan 80:215:15097
Clo: HY9:Sept 80:1533:15663
TR:145:174

Fredlund, D. G.
The Prediction of Total Heave, with J. U. Hasan and H. L. Filson, SLS:June 80:1
Variability of an Expansive Clay Deposit, with J. Krahn and J. U. Hasan, SLS:June 80:322
See K. A. Bocking, SLS:June 80:117
See V. Dakshanamurthy, SLS:June 80:514
See Leonard Krazynski, SLS:June 80:683
See D. R. Snethen, SLS:June 80:717

Fredsoe, Jorgen
Dsc, HY4:Apr 80:623:15301, of "Steepness of Sedimentary Dunes", HY4:Apr 79:381:14502

Free, Sally
Highway Safety: Pyrrhic Victory, HW80:Mar 80:87

Freedman, Paul L.
Impact of Waste Diversion on Water Quality in Lakes, with Raymond P. Canale, EE5:Oct 79:867:14885
TR:145:485
Modeling Storm Overflow Impacts on Eutrophic Lake, with Raymond P. Canale and James F. Pendergast, EE2:Apr 80:335:15355
TR:145:700

Freeman, Gary J.
The California Drought—Its Effect on Runoff Forecasting For Power Generation, EFHYF:Mar 79:266

Freeman, H. M.
Demonstration d-RDF Burn GSA Pentagon Power Plant, with Jay Campbell and M. A. Golembiewski, EE80:July 80:598

French, John D.
See Ronald K. Gress, PO80:May 80:568

French, Jonathan A.
Wave Overtopping and Urban Stormwater Drainage In Hull, Massachusetts, HYUS:June 80:336
Dsc, EE3:June 80:675:15441, of "Dividing-Flow Manifolds with Square-Edged Laterals", EE4:Aug 79:745:14764

French, Peter N.
Water Quality Modeling Using Computer Graphics, with Daniel P. Loucks, EE80:July 80:138
Water Resources Planning Using Computer Graphics, with Lynn E. Johnson, Daniel P. Loucks and Donald P. Greenberg, WR1:Mar 80:21:15235
TR:145:361

French, Richard H.
Engineering, Professionalism, and Unions, EI1:Jan 79:1:14323
TR:145:166
Interfacial Stability in Channel Flow, HY8:Aug 79:955:14768
Dsc: Peder Jensen, HY9:Sept 80:1547:15663; Steve C. McCutcheon, HY12:Dec 80:2067:15866
TR:145:397
Transfer Coefficients in Stratified Channel Flow, HY9:Sept 79:1087:14808
TR:145:419
Dsc, HY4:Apr 79:431:14472, of "Vertical Mixing in Stratified Tidal Flows", HY3:Mar 78:337:13599
See Steve C. McCutcheon, HY7:July 79:913:14662

French, Steven P.
Current Practice In Managing Coastal Flood Hazards, with Raymond J. Burby, CZ80:Nov 80:1204

Friedheim, Robert L.
California Impacts of World Ocean Decisions, with Robert E. Bowen, CZ80:Nov 80:980

Friedkin, Joseph F.
Friedkin Receives Army Award, CE:Oct 80:164

Friedland, Ian M.
See Pedro Albrecht, ST12:Dec 79:2657:15095
See Pedro Albrecht, ST5:May 80:991:15415

Friedmann, Peretz P.
See Carlos P. Patrickson, ST12:Dec 79:2621:15084

Fritz, Walter R.
Wetlands for Tertiary Treatment of Wastewater, with Steven C. Helle, Preprint No.80-594, Oct 80, 9pp.

Frobig, Caleb W.
Deferred Maintenance, Preprint No.80-120, Apr 80, 7pp.

Froise, Syver
Least-Cost Design of Urban-Drainage Networks, with Stephen J. Burges, WR1:Nov 78:75:14159
Dsc: Larry W. Mays, Harry G. Wenzel, Jr. and Ben Chie Yen, WR2:Sept 79:439:14797
Clo: WR2:July 80:563:15515
TR:145:65

Frosch, Robert A.
NASA Chief to Lead Engineers, CE:Dec 80:120

Frost, Ronald W.
See Roger L. Brockenbrough, ST11:Nov 80:2185: 15800

Frydman, Sam
Liquefaction Study of Cemented Sand, with David Hendron, Harry Horn, Joav Steinbach, Rafael Baker and Benzion Shaal, GT3:Mar 80:275:15289
TR:145:689
See Rafael Baker, Preprint No.80-585, Oct 80, 21pp.

Frysztacki, Wes R.
The Long Beach Downtown Transportation Project, MGC:July 80:195

Fucik, E. Montford
Maintaining Competence in Engineering, EI2:Apr 78: 101:13670
Dsc: Frederic L. Blum, EI1:Jan 79:55:14267
Clo: EI1:Jan 80:66:15096
TR:145:70

Fuentes, R.
Dsc, with J. J. Garcia, HY6:June 80:1142:15444, of "Hydraulic Resistance of Artificial Strip Roughness", HY6:June 79:675:14635

Fuerst, Michael
Bidding Models: Truths and Comments, CO1:Mar 76:169:11991
Dsc: Matthew Rosenshine, CO4:Dec 76:694: 12582; Marvin Gates, CO4:Dec 76:696:12582
Clo: CO4:Dec 79:391:15005
TR:145:19

Fujita, Akira
See Walter Kudlick, MGC:July 80:332

Fujita, T. Theodore
Tornado Wind Effects On The Grand Gulf Cooling Towers, EM81:Jan 81:555

Fukumoto, Yuhshi
Strength Variation of Laterally Unsupported Beams, with Yoshito Itoh and Masahiro Kubo, ST1:Jan 80: 165:15142
TR:145:570

Fulcher, Martin K.
See Wayne A. Fernelius, EE1:Feb 79:13:14361

Fung, Raymond Chong-Yu
See Leon Ru-Liang Wang, TE6:Nov 80:747:15848

Funge, William J.
See Donald A. Falvey, CZ80:Nov 80:2322

Furlong, Richard W.
Alternate to ACI Analysis Coefficients, with Carlos Rezende, ST11:Nov 79:2203:14979
Dsc: C. N. Srinivasan, ST12:Dec 80:2572:15868
TR:145:462

Furzer, Ian A.
Distribution of Oil Pollution Residues, EE6:Dec 80: 1171:15904

Fusco, Steven M.
Public Participation in Environmental Statements, WR1:Mar 80:123:15264
TR:145:453

Gadkowski, Mieczyslaw
Performance of Power Plant Cooling Lakes in Poland, with Bruce A. Tichenor, EY1:Apr 80:1: 15326
TR:145:533

Gaggero, G.
WESPOL-A Programming Language for POL Development, CP80:June 80:688

Gaither, William S.
Policy Issues of Importance to Offshore Development, PO80:May 80:1

Galambos, Theodore V.
Dsc, TN: ST10:Oct 80:2138:15722, of "Proposed AISC LRFD Design Criteria", TN: ST3:Mar 80: 729:15231
See Mayasandra K. Ravindra, ST9:Sept 78:1337: 14008
See Reidar Bjorhovde, ST9:Sept 78:1371:14016
See Peter B. Cooper, ST9:Sept 78:1389:14012
See William Charles Hansell, ST9:Sept 78:1409: 14005
See John W. Fisher, ST9:Sept 78:1427:14017
See Mayasandra K. Ravindra, ST9:Sept 78:1443: 14006
See Zia Razzaq, ST11:Nov 79:2145:14972
See Zia Razzaq, ST11:Nov 79:2163:14973

Galbraith, Alan F.
Water Quality and Wildland Resource Management, IRKB:July 80:298

Galil, J.
See Rafael Baker, Preprint No.80-585, Oct 80, 21pp.

Gallagher, Thomas W.
Modeling Framework to Address AWT Decisions, with Richard P. Winfield, EE80:July 80:604

Gallaway, Bob M.
Sulphur Asphalt Field Trials in Texas, with Fred J. Benson, MGC:July 80:366

Galloway, Patricia D.
Schedule Control for PCM Projects, with K. Nielsen, Preprint No.80-174, Apr 80, 29pp.

Gallus, Richard T.
Warrior Ridge Redevelopment, with Robert C. Richert, EY1:Jan 79:1:14295
TR:145:155

Gambarova, Pietro
See Zdenek P. Bazant, ST4:Apr 80:819:15330

Gambhir, Murari L.
Dsc, ST6:June 78:1040:13789, of "Free Vibrations of Taut and Slack Marine Cables", ST11:Nov 77:2079: 13321
See Barrington deV. Batchelor, EM6:Dec 80:1249: 15903

Gamble, William L.
See Soussan Mojtahedi, TN: ST7:July 78:1159:13868

GangaRao, Hota V.S.
See Lyle K. Moulton, Preprint No.80-567, Oct 80, 18pp.

Gangopadhyay, Chitta R.
Stress-Path Influence on Drained Deformations of Clay, with Subhas C. Das and Nitin N. Som, GT11:Nov 80:1243:15807
Dsc, GT8:Aug 79:989:14722, of "Consolidation and Strength Properties of a Clay", GT7:July 78:889:13891

Ganju, Triloki N.
Dsc, ST8:Aug 79:1725:14724, of "Finite Element Model for Masonry", ST8:Aug 78:1267:13957

Gans, George M.
The Construction Manager and Safety, Preprint No.80-174, Apr 80, 18pp.
See Clyde B. Tatum, CO2:June 80:141:15478

Garber, Michael
Extreme-Value Problems of Limiting Equilibrium, with Rafael Baker, GT10:Oct 79:1155:14901
TR:145:532

Garcia, J. J.
See R. Fuentes, HY6:June 80:1142:15444

Garcia, Jesus Lopez
See Victor Miguel Ponce, HY3:Mar 79:245:14456

Garcia-Bengochea, Ignacio
Pore Distribution and Permeability of Silty Clays, with Charles William Lovell and Adolph G. Altschaeffl, GT7:July 79:839:14686
Dsc: David G. McKinlay and Abul M.M. Safiullah, GT10:Oct 80:1165:15720
Clo: GT10:Oct 80:1168:15720
TR:145:441

Garcia-Iturbe, Leopoldo
Design and Construction of Short Piles for Expansive Soils in Coro, Venezuela, with Jorge Martinez, SLS: June 80:850

Garde, Ramachandra J.
See Akalank K. Jain, HY9:Sept 78:1323:14038
See Akalank K. Jain, HY10:Oct 78:1429:14104
See Jagdish P. Soni, HY1:Jan 80:117:15147
See Vidhan C. Agarwal, HY10:Oct 80:1699:15721
See Digamber M. Kondap, HY10:Oct 80:1708:15721

Gardenier, John S.
Facility Site Evaluation and Chemical Hazards, with Michael C. Parnarouskis, PO80:May 80:555

Gardner, Richard A.
Management of Hazardous Waste Using Regional Concepts, with Mahlon B. White, EE80:July 80:453

Gareis, Roland
Business Practices in the Construction Industry: A Survey, CO4:Dec 79:317:15037
TR:145:516

Gares, Paul A.
Delineation and Implementation of a Dune Management District, with Karl F. Nordstrom and Norbert P. Psuty, CZ80:Nov 80:1269

Garg, Krishan G.
Bored Pile Groups under Vertical Load in Sand, GT8:Aug 79:939:14786
TR:145:478

Garg, R. K.
See B. Satyanarayana, TN: GT7:July 80:819:15578

Garg, Vijay K.
See Kuang-Han Chu, ST9:Sept 79:1823:14855

Garner, Douglas F.
See John D. Borcherding, Preprint No.80-170, Apr 80, 21pp.

Garson, Robert Coffin
Failure Mode Correlation in Weakest-Link Systems, ST8:Aug 80:1797:15634

Garuti, Gianni
See Riccardo Sala, HY5:May 80:629:15402

Gary, Howard L.
Path Clearcuts to Manage Snow in Lodgepole Pine, IRKB:July 80:335

Gasparini, Dario A.
Damping of Frames with Constrained Viscoelastic Layers, with Amitabha Deb Chaudhury and Lawrence W. Curry, ST1:Jan 80:115:15113
TR:145:542
Dynamic Response to Nonstationary Nonwhite Excitation, with Amitabha DebChaudhury, EM6:Dec 80:1233:15900
Response of MDOF Systems to Nonstationary Random Excitation, EM1:Feb 79:13:14341
Errata: EM1:Feb 80:191:15159
TR:145:141

Gates, James H.
Earthquake Engineering for Transportation Lifelines, C080:80:166

Gates, Marvin
Concreting and Formwork Logistics and Optimization, with Amerigo Scarpa, CO2:June 78:219:13842
Dsc: Peter D. Courtois, CO3:Sept 80:429:15661
Errata: CO4:Dec 78:558:14191
TR:144:345
Criteria for the Selection of Construction Equipment, with Amerigo Scarpa, CO2:June 80:207:15507
TR:145:718
Dsc, CO4:Dec 76:696:12582, of "Bidding Models: Truths and Comments", CO1:Mar 76:169:11991
Dsc, with Amerigo Scarpa, CO3:Sept 78:367:13977, of "Estimating Masonry Wall and Column Costs", CO4:Dec 77:627:13413
Dsc, CO4:Dec 79:404:15005, of "Comparison of Friedman and Gates Competitive Bidding Models", CO1:Mar 79:25:14408
Dsc, CO4:Dec 79:406:15005, of "Correction of Bidding Errors: The Belgian Solution", CO1:Mar 79:13:14411

Gates, Nathan C.
See Wilfred D. Iwan, EM3:June 79:391:14644

Gates, William E.
Geographic Information Systems, with Richard J. Heil, SU1:Nov 80:105:15826

Gattass, M.
Interactive Graphics Dynamic Analysis Of Frames, with J. G. Orbison, C. I. Pesquera, M. A. Schulman, W. McGuire and John F. Abel, EM81:Jan 81:502

Gazetas, George C.
Shear and Rayleigh Waves in Soil Dynamics, with Mishac K. Yegian, GT12:Dec 79:1455:15053
TR:145:611
Vertical Vibration of Machine Foundations, with Jose M. Roesset, GT12:Dec 79:1435:15050
Errata: GT11:Nov 80:1295:15783
TR:145:599

Gebhart, Lloyd R.
Preliminary Glossary of Terms Relating to Grouting, GT7:July 80:803:15581

Gedney, Robert H.
Dsc, EE6:Dec 78:1311:14192, of "Laguna de Bay Water Resources Development", EE6:Dec 77:1021: 13420

Geidel, Gwendelyn
See Frank T. Carucciol, Preprint No.80-658, Oct 80, 14pp.

Geldof, H. J.
Sand Feeding by Elevator, with J. Groeneveld, TN: HY12:Dec 80:2055:15872

Gemmell, Robert S.
See Barry J. Adams, EE2:Apr 80:437:15362

Generaux, Jack D.
Dissolved Solids from Appalachia Coal Mining, with Keith O. Eggleston, IRKB:July 80:607

Gentry, Wayne S.
Effect of Out-Of-Basin Water Diversions on Instream Flow Needs, IRKA:July 80:52

George, Ernest D., Jr.
Plastic Bifurcation Buckling of Toroidal Shells, TN: EM4:Aug 79:697:14727
Errata: TN: EM4:Aug 80:853:15583

George, Kalankamary P.
See Fazlur Rahman, ST7:July 79:1525:14695
See Fazlur Rahman, ST1:Jan 80:39:15112

George, Oscar R.
1979 ASCE Salary Survey, EI3:July 80:275:15568

George, T. S.
See Richard S. Taylor, AS80:Aug 80:44

Georgiades, I. F.
See V. K. Handa, CO3:Sept 80:355:15683

Gerard, Robert
Probability Analysis of Historical Flood Data, with Edward W. Karpuk, HY9:Sept 79:1153:14834
TR:145:444

Gerbode, Linda L.
Design Today for Tomorrow, PO80:May 80:186

Gere, James M.
Selection of Steel Wide Flange Beams in Biaxial Bending (Engineer's Notebook), with Helmut Krawinkler, CE:June 80:91
Tangshan Rebuilds after Mammoth Earthquake, with Haresh C. Shah, CE:Dec 80:47

Gergely, Peter
See Richard N. White, Preprint No.80-115, Apr 80, 19pp.

Gerke, Richard Carl
Dsc, TE6:Nov 79:736:14938, of "Evaluation of Bridge Overloads", TE1:Jan 79:15:14279

Gern, Richard C.
Dsc, CE:Oct 80:30, on The Fly-Over: It Unclogs Urban Traffic in A Hurry, CE:May 80:71

Gerstle, Kurt Berlin
Behavior of Concrete under Multiaxial Stress States, with Helmut Aschl, Roberto Bellotti, Paolo Bertacchi, Michael D. Kotsovos, Hon-Yim Ko, Diethelm Linse, John B. Newman, Pio Rossi, Gerald Schickert, Michael A. Taylor, Leonard A. Traina, Roger M. Zimmerman and , EM6:Dec 80: 1383:15945

Gerstle, Kurt H.
See Michael H. Ackroyd, Preprint No.80-179, Apr 80, 30pp.
See Piotr D. Moncarz, Preprint No.80-179, Apr 80, 21pp.
See M. M. Kim, FIC:Oct 80:1

Geschwindner, Louis F., Jr.
Biaxial Bending of Reinforced Concrete Columns, Preprint No.80-024, Apr 80, 16pp.
Forced Vibrations of Cable Networks, with Harry H. West, ST9:Sept 80:1885:15681
Parametric Investigations of Vibrating Cable Networks, with Harry H. West, ST3:Mar 79:465: 14436
TR:145:203

Gessler, Johannes
Dsc, HY10:Oct 80:1722:15721, of "Extended Set of Components in Pipe Networks", HY1:Jan 80:133: 15130

Gesund, Hans
Limit Analysis of Flat-Slab Buildings for Lateral Loads, with Harinatha B. Goli, ST11:Nov 79:2187: 14981
TR:145:461
Local Flexural Strength of Slabs at Interior Columns, with Harinatha B. Goli, ST5:May 80:1063:15394
TR:145:643
See Harinatha B. Goli, ST10:Oct 79:1901:14928

Getter, Charles D.
See Miles O. Hayes, PO80:May 80:697

Getter, James R.
Coal, Wildlife and Remote Sensing, ASDC:80:198

Ghahramani, Arsalan
Zero-Extension Line Theory of Dynamic Passive Pressure, with Samuel P. Clemence, GT6:June 80: 631:15489
TR:145:727
See Karim Habibagahi, GT7:July 79:881:14702

Ghista, Dhanjoo N.
Optimal Design of Aortic Leaflet Prosthesis, with Helmut Reul, Gautam Ray and K. B. Chandran, EM1:Feb 78:97:13521
Dsc: Mark P. Rossow and Phillip L. Gould, EM4: Aug 80:847:15583
Clo: EM4:Aug 80:849:15583
TR:144:112

Ghosh, B. G.
See K. M. Rao, ST11:Nov 79:2313:14983
See K. M. Rao, EM4:Aug 80:685:15623

Ghosh, Mriganka M.
See William R. Knocke, EE2:Apr 80:363:15363
See Charles H.H. Yeh, EE80:July 80:546

Ghosh, S. K.
See Mark Fintel, EM81:Jan 81:874

Ghosh, S. N.
See S. S. Chatterjee, HY11:Nov 80:1765:15820

Giampaoli, Donald A.
New Perspectives on the Safety of Dams, EI3:July 80:265:15580

Giannopoulos, Fanis
See Jann-Nan Yang, EM3:June 78:551:13836
See Jann-Nan Yang, EM4:Aug 79:677:14762
See Jann-Nan Yang, EM5:Oct 79:795:14899

Giaquinta, Arthur R.
Cooling Potential of Missouri River in Missouri, HY11:Nov 80:1813:15834
Hybrid Cooling System Thermodynamics and Economics, with Thomas E. Croley, II and Tai-Dan Hsu, EY1:Apr 80:89:15319
TR:145:497

Gibble, Kenneth
Organizational Development for Small Consulting Firms, EI3:July 79:143:14711
TR:145:300
See Melville D. Hensey, EI1:Jan 80:21:15156

Gibbs, Charles V.
See Joel Wesselman, Preprint No.80-171, Apr 80, 16pp.

Gibbs, Harold J.
See Wesley G. Holtz, GT3:Mar 79:439:14401

Gibbs, William R.
Gibbs Gets Top AAEE Award, CE:Dec 80:80

Gibby, A. Reed
See Leif G. Anderson, CAAA:Nov 79:20

Giberson, Kenneth C.
Competitive Bidding for A/E Services—Why Not?, EI1:Jan 80:45:15117
Dsc: Richard R. Dague, EI4:Oct 80:432:15718
TR:145:446

Gibson, Donald L.
See Henry Liu, MGC:July 80:97

Gibson, Robert Anthony
Tidal Energy Integration Using Pumped Storage, with Eric Montgomery Wilson, EY1:Jan 79:71:14291
TR:145:135

Gifford, George E.
See Phillip R. Scheuerman, EE4:Aug 79:629:14756

Gifford, Gerald F.
See Everett P. Singer, IRKB:July 80:578

Gilbert, Lawrence W.
See Peter Y. Lee, GTDF:80:253

Gilbert, Oliver H., Jr.
Indicator Pile and Load Test Program, with Mahmut Otus and Joseph Corollo, GTDF:80:122

Gilbert, R. Gary
See Michael K. Stenstrom, EE80:July 80:86

Gilbert, R. Ian
Tension Stiffening in Reinforced Concrete Slabs, with Robert F. Warner, ST12:Dec 78:1885:14211
Dsc: Andrew Scanlan and David W. Murray, ST1:Jan 80:359:15098
Clo: ST9:Sept 80:1988:15665
TR:145:122

Gilchrist, Robert T., Jr.
Thin Light-Gage Bolted Connections Without Washers, with Ken P. Chong, ST1:Jan 79:175:14306
Dsc: Cedric Marsh, ST11:Nov 79:2479:14936
Clo: ST7:July 80:1658:15513
TR:145:148

Gilkeson, Robert H.
See Keros Cartwright, Preprint No.80-624, Oct 80, 5pp.

Gill, H. S.
See Mysore S. Nataraja, Preprint No.80-571, Oct 80, 22pp.

Gill, Mohammad Akram
Dsc, TN: HY11:Nov 79:1457:14935, of "Muskingum-Cunge Method with Variable Parameters", TN: HY12:Dec 78:1663:14199
Dsc, HY1:Jan 80:233:15097, of "Steepness of Sedimentary Dunes", HY4:Apr 79:381:14502
Dsc, HY11:Nov 80:1955:15784, of "Aggradation in Streams Due to Overloading", HY1:Jan 80:117:15147

Gill, Safdar A.
Applications of Slurry Walls in Civil Engineering, CO2:June 80:155:15479
TR:145:662

Gillespie, Victor A.
Drip Irrigation Design Equations, with Allan L. Phillips and I-Pai Wu, IR3:Sept 79:247:14819
TR:145:423

Gilley, James R.
Conserving Energy with Low-Pressure Center Pivots, with Lloyd B. Mielke, IR1:Mar 80:49:15292
TR:145:669
Possible Energy Savings in Irrigation, with Darrell G. Watts, IR4:Dec 77:445:13416
Dsc: Arland David Schneider, IR4:Dec 78:460:14196
Clo: IR4:Dec 79:435:15010
TR:145:55

Gilmore, R. Grant
See Mark L. Gumula, CZ80:Nov 80:2236

Giroud, Jean-Pierre
Design of Geotextile-Reinforced, Unpaved Roads, with Laure Noiray, Preprint No.80-177, Apr 80, 28pp.
See Anastase Collios, Preprint No.80-177, Apr 80, 22pp.

Gitlin, Harris M.
See Krishanlal C. Khatri, IR2:June 79:163:14613
See I-Pai Wu, IR3:Sept 79:289:14829

Glaser, Peter E.
Dsc, CE:Jan 80:31, on Energy From Space, CE:July 79:53

Glasfeld, Rolf
See Gene Anspach, PO80:May 80:296

Glass, Donald E.
Energy Facility Planning and Siting in the Coastal Zone, CZ80:Nov 80:396

Glenn, Brian A.
Dsc, CE:Apr 80:24, on Top Highway Problems : Finance and Maintenance, CE:Nov 79:59

Glennon, John P.
See Frank A. Jones, Jr., EE80:July 80:571

Glickman, Franklin Z.
See Leonard Hayet, CE:Apr 79:62

Glockner, Peter G.
See David J. Malcolm, ST2:Feb 79:421:14381
See A. M. Vinogradov, ST1:Jan 80:59:15116
See O. G. Vinogradov, EM81:Jan 81:338

Gloudeman, J. F.
An Evolutionary Approach to Integrated Engineering Based Systems, Preprint No.80-159, Apr 80, 18pp.

Glover, James E.
Dsc, HY10:Oct 80:1717:15721, of "Mississippi River Shoaling: A Diagnostic Study", HY11:Nov 79: 1375:14978

Glynn, Robert D., Jr.
See David M. Snyder, EFHYF:Mar 79:400

Glysson, Eugene A.
See John P. Collins, EE4:Aug 80:815:15648

Gnaedinger, John P.
Contractual Arrangements—B, CRLS:Jan 79:II-95
Risks and Liabilities in Engineering Practice, with Walter E. Hanson and Narbey Khachaturian, EI4: Oct 79:207:14920
TR:145:402
Dsc, CE:June 80:30, on Conflict on the Job: How to Cope, CE:Dec 79:71

Gnirk, Paul F.
Numerical Modeling of Radioactive Waste Repositories, with Gary D. Callahan and Joe L. Ratigan, Preprint No.80-164, Apr 80, 22pp.

Godden, William G.
See Mohammad Aslam, EM3:June 79:371:14643
See Mohammad Aslam, ST2:Feb 80:377:15182

Godfrey, Kneeland A., Jr.
America's Energy Future—A Primer and Discussion of Options, CE:Sept 79:104
TR:145:403
Continuing Education in Engineering—What's New?, CE:Feb 80:68
TR:145:610
Education in Civil Engineering: Boost Professional Orientation?, CE:Aug 79:64
Dsc: William J. Wenzel, CE:Feb 80:28; John P. Piercy, CE:Feb 80:28; Leonard M. Sale, CE:Feb 80:30; John M. Hayes, CE:Mar 80:34
TR:145:350
New Umbrella Society for Engineering is Taking Shape, CE:May 79:57
TR:145:216
Non-Government Consensus Standards: Changes in the Wind?, CE:Mar 79:75
TR:145:156
Political Action—Why Are Engineers Getting Involved?, CE:Aug 80:66
Public Engineers—Why the Least Happy Category of Civil Engineers?, CE:Mar 80:86
Dsc: Robert L. Woodrum, CE:Sept 80:40
TR:145:639
Top Highway Problems : Finance and Maintenance, CE:Nov 79:59
Dsc: Marshall F. Reed, Jr., CE:Apr 80:22; Brian A. Glenn, CE:Apr 80:24; Roy D. Mc Queen, CE:May 80:22
TR:145:447
Whither Satellite Remote Sensing—II?, CE:Apr 80:63
Dsc: Alden P. Colvocoresses, CE:Aug 80:32
TR:145:656

Godfrey, Robert S.
Means Computerized Data Base and Estimating System, Preprint No.80-550, Oct 80, 14pp.

Godlewski, J. S.
Coagulation and Detention of Stormwater Runoff, with P. Moore and B. A. Snyder, Preprint No.80-666, Oct 80, 12pp.

Goedde, Edmund F.
Energy-Dissipating Bypass for Hydroelectric Powerhouse, with Vsevolod G. Guins and Richard P. Strumpf, HY12:Dec 79:1487:15070
TR:145:519

Goehring, Darryl R.
Septic System Problems on an Urban Fringe, with F. Robert Carr, WR1:Mar 80:89:15278
TR:145:548

Goeke, Patrick M.
Instrumented Drilled Shafts in Clay-Shale, with Paul A. Hustad, Aff., GTDF:80:149

Goel, Subhash C.
See Ashok K. Jain, ST3:Mar 79:687:14404
See Ashok K. Jain, ST4:Apr 80:843:15338
See Ashok K. Jain, ST8:Aug 80:1777:15607

Goepfert, Carl W.
Matrix Management for Transportation Projects, MGC:July 80:350

Goetz, Michael J.
See Ann W. Gowen, CZ80:Nov 80:667

Goff, James D.
See John R. Thornton, EE80:July 80:106

Gogate, Anand B.
Dsc, ST12:Dec 80:2579:15868, of "Rough Cracks in Reinforced Concrete", ST4:Apr 80:819:15330

Goldbloom, Joseph
Construction Specifications — A One Book Deal, Preprint No.80-048, Apr 80, 5pp.
Construction Specifications: A One-Book Deal, TN: CO4:Dec 80:601:15870
Summary Report of Questionnaire on Specifications (Contractor Returns), CO3:Sept 78:353:14001
Dsc: V. Pathmanathan, CO3:Sept 79:277:14791
Clo: CO3:Sept 80:432:15661
TR:145:93
Summary Report of Questionnaire on Specifications (Owner and Owner Representative Returns), CO3: Sept 79:163:14799
TR:145:372

Golden, Paul C.
Coastal Siting of Hazardous Waterfront Facilities, CZ80:Nov 80:562

Golder, Hugh Q.
Dsc, GT6:June 80:728:15443, of "Liquefaction Potential: Science Versus Practice", GT3:Mar 79: 393:14418
Dsc, GT6:June 80:746:15443, of "Settlement of Single Piles in Nonhomogeneous Soil", GT5:May 79:627:14575

Golding, Bernard L.
Dsc, WR1:Nov 78:292:14121, of "Environmental Model of Kissimmee River Basin", WR2:Nov 77: 241:13326
Dsc, IR4:Dec 79:441:15010, of "Runoff Curve Numbers with Varying Site Moisture", IR4:Dec 78: 389:14254
Dsc, HY2:Feb 80:343:15161, of "Estimating Design Flows for Urban Drainage", HY1:Jan 79:43:14317

Goldman, J. C.
See Sal D'Angelo, EE4:Aug 80:773:15636

Goldman, Morton I.
Dsc, CE:June 80:32, on Energy Conservation: Long-Overlooked Cheap Source of Energy, CE:Dec 79:77
See Paul Kruger, CE:Oct 80:144

Goldstein, Harold
Computer Assisted Instruction in Civil Engineering, Preprint No.80-074, Apr 80, 22pp.

Goldstein, Harvey
See Antoine G. Hobeika, TE1:Jan 80:43:15143

Golembiewski, M. A.
See H. M. Freeman, EE80:July 80:598

Goli, Harinatha B.
Linearity in Limit Design of Orthotropic Slabs, with Hans Gesund, ST10:Oct 79:1901:14928
TR:145:440
See Hans Gesund, ST11:Nov 79:2187:14981
See Hans Gesund, ST5:May 80:1063:15394

Gonzales-Karg, Sergio
Sims is New ASCE President-Elect; Nine Other National Offices Filled, CE:Oct 80:144

Gonzalez, G.
See William C. Carpenter, Preprint No.80-538, Oct 80, 13pp.

Goodman, James R.
Important Research Needs in Wood-As A Structural Material, ST10:Oct 79:2069:14893
TR:145:415

Goodman, Joel M.
See Ismail Mobarek, CZ80:Nov 80:724

Goodman, Lawrence E.
Yield of Circular Weld Joining Elastic Plates, with Leon M. Keer, EM1:Feb 80:135:15203
TR:145:554

Goodman, Richard E.
Permeability and Piping in Fractured Rocks, with Panchanatham N. Sundaram, GT5:May 80:485:15433
TR:145:717
RQD and Fracture Spacing, with H. Rodney Smith, TN: GT2:Feb 80:191:15193
See Jerome M. Raphael, GT11:Nov 79:1285:14988

Goodno, Barry J.
Glass Curtain Wall Elements:Properties and Behavior, ST6:June 79:1121:14656
TR:145:314
See Craig M. Bennett, Jr., CP80:June 80:488

Gopalakrishnan, T. C.
Finite Element Analysis of Wave Transmission in A Coastal Channel with a Bell-Mouth Entrance, with Jerry L. Machemehl, HYUS:June 80:125

Gopalan, Thazhath Veettil
Stressing of Transmission Tower Peak by Lighting, EY1:Jan 79:103:14328
Errata: EY1:Apr 80:111:15299
TR:145:235

Gopu, Vijaya K.A.
Radial Stresses in Curved Glulam Beams, ST11:Nov 80:2143:15797

Gordon, Francine
See Jimmie Hinze, CO3:Sept 79:253:14848

Gordon, Hayden H.
See John C. Munday, Jr., PO80:May 80:417

Gordon, John A.
Reservoir Metalimnion Oxygen Demands, with Basil A. Skelton, EE6:Dec 77:1001:13437
Dsc: Richard I. Dick and Cynthia A. Cairns, EE1:Feb 79:177:14352
Clo: EE6:Dec 79:1181:15006
TR:145:30

Gordon, Monty L.
See Bruce M. Douglas, EM81:Jan 81:698

Gordon, William R.
BPA Hydrologic Forecasting Considerations and Action During the 1976-77 Drought, with C. H. Watkins and R. C. Lamb, EFHYF:Mar 79:274

Gordon, Yoram
See Robert Relyea, Preprint No.80-676, Oct 80, 6pp.

Gore, Purushottam S.
Rationale of Contract Awards and Contract Systems, CO4:Dec 80:507:15888

Goring, Derek G.
Forces on Block Bodies Accelerating in Still Fluid, with Fredric Raichlen, WW2:May 79:171:14582
Errata: WW1:Feb 80:140:15163
TR:145:390

Gorky, David V.
See Amad E. Tayebi, Preprint No.80-578, Oct 80, 13pp.

Gorrie, Jack
See Edward A. McBean, EY2:Oct 80:165:15732

Gossett, James M.
Anaerobic Digestion of Waste and Activated Sludge, with Roy L. Belser, EE80:July 80:33

Goswami, Santosh R.
Dsc, EE3:June 79:615:14597, of "Lake Process Models Applied to Reservoir Management", EE5:Oct 78:981:14100
Dsc, EE4:Aug 79:800:14720, of "Highway Construction Impact on Water-Supply Lakes", EE5:Oct 78:997:14052

Gottemoeller, Frederick
Dsc, UT79A:July 79:211, of "Improved Resource Allocation, State & Federal: How Federal Transit Aid Influences Local Decisions", UT79A:July 79:200

Gotz, Werner
Dsc, HY10:Oct 80:1710:15721, of "Secondary Flow and Shear Stress at River Bends", HY10:Oct 79:1277:14906
Dsc, HY10:Oct 80:1713:15721, of "Calculation of Strongly Curved Open Channel Flow", HY10:Oct 79:1297:14927

Gould, Phillip L.
See Prodyot K. Basu, ST3:Mar 80:579:15259
See Mark P. Rossow, EM4:Aug 80:847:15583

Gourc, Jean-Pierre
See Anastase Collios, Preprint No.80-177, Apr 80, 22pp.

Gouwens, Albert J.
See Ian R. Chin, Preprint No.80-145, Apr 80, 20pp.

Gove, George W.
Dsc, CE:Jan 80:32, on Has Metrication Run Out of Gas?, CE:Aug 79:49

Gowen, Ann W.
Offshore Pipeline Routing: Minimizing Environmental Effects, with Michael J. Goetz, CZ80:Nov 80:667

Goyal, Sushil K.
See Subhash Chander, HY10:Oct 79:1321:14868
See Subhash Chander, EE1:Feb 80:247:15158
See Subhash Chander, HY3:Mar 80:466:15225

Graber, S. David
Dsc, EE1:Feb 80:248:15158, of "Approximate BOD Treatment Requirements for Urban Runoff", EE1: Feb 79:3:14360

Grace, John L., Jr.
Erosion Control at Culvert Outlets, Preprint No.80-639, Oct 80, 14pp.
Pumping Station Sump Design Research, with Glenn R. Triplett, Preprint No.80-641, Oct 80, 10pp.
See Bobby P. Fletcher, Preprint No.80-640, Oct 80, 14pp.

Grace, Robert A.
Further Tests on Ocean Wave Forces on Sphere, with Gabriel T.Y. Zee, TN: WW1:Feb 78:83:13513
Dsc: Subrata K. Chakrabarti, TN: WW2:May 79: 204:14553
Errata: TN: WW1:Feb 80:134:15163

Gracewski, Alan S.
New Coast Guard Icebreakers for the Fourth Coast, CZ80:Nov 80:624

Grady, C. P. Leslie, Jr.
See C. Scott Reece, EE2:Apr 79:261:14522

Graf, Edward D.
Sand to Sandstone: Foundation Strengthening with Chemical Grout, with Edwin G. Zacher, CE:Jan 79: 67
TR:145:37

Graff, William J.
See Jerry R. Rogers, ASDC:80:92
See Arthur N. Minas, Preprint No.80-034, Apr 80, 18pp.

Graham, Anthony J.
See Gregory L. Shahabian, EE80:July 80:480

Graham, Donald Steven
Burial Design Criteria for Tidal River and Inlet Crossings, with Ashish J. Mehta, Preprint No.80-033, Apr 80, 20pp.
Field Study for Landsat Water Quality Verification, with J. M. Hill, AS80:Aug 80:101
Pipeline River Crossings: A Design Method, TE2: Mar 80:141:15261
TR:145:580
Water Pollution Problems Associated with Coal-Fired Electrical Generating Plants, Preprint No.80-023, Apr 80, 22pp.
Dsc, HY6:June 80:1129:15444, of "Destratification of Lakes Using Bubble Columns", HY4:Apr 79:333: 14498

Graham, Patricia Ann
See Lewis A. Rossman, UP1:Jan 79:51:14284

Gran, Carl S.
Doubly Curved Membrane Shell Finite Element, with T. Y. Yang, EM4:Aug 79:567:14741
TR:145:346

Granat, M. A.
See Raymond Walton, HYCO:Aug 80:387

Grant, Albert A.
Sims is New ASCE President-Elect; Nine Other National Offices Filled, CE:Oct 80:142

Grant, Arvid
Intercity Bridge: First Major U.S. Cable-Stayed Bridge, CE:June 79:71
TR:145:270

Grant, Frank A.
Water Reuse Markets and Project Costs in Southern California, with Norman G. Hixson, Paul Teigen and E. Wiley Horne, EE80:July 80:640
See Brian L. Ramaley, EE80:July 80:207

Grantz, Walter C.
See Birger Schmidt, GT9:Sept 79:1031:14811

Grava, Sigurd
Paratransit in Developing Countries, MGC:July 80: 278

Graves, Albert L.
See William W-G. Yeh, WR2:July 80:521:15573

Gray, C. William
Geometric Guidelines for RRR Projects, Preprint No.80-542, Oct 80, 8pp.

Gray, Donald H.
Combined Vegetative-Structural Slope Stabilization, with Andrew T. Leiser and Charles A. White, CE: Jan 80:82
TR:145:567
Dsc, CE:June 80:40, on Energy Conservation: Long-Overlooked Cheap Source of Energy, CE:Dec 79: 77

Gray, J. E.
Dsc, CE:July 79:31, on EPA Launches Program to Control Hazardous Wastes, CE:Dec 78:39

Gray, Janice B.
See Shailendra N. Endley, GTDF:80:101

Gray, William G.
Dsc, with Harry H. Mellon, HY10:Oct 78:1468: 14047, of "Accurate Calculation of Transport in Two Dimensions", HY11:Nov 77:1259:13336

Greated, Clive A.
See A. Graham Dixon, WW4:Nov 79:421:14996

Green, Christopher S.
See F. Allan Johnson, HY11:Nov 80:1903:15847

Green, James M.
See Michael E. Meadows, EE6:Dec 78:1119:14232

Green, Lawrence J.
The Effect of Contract Type on Inspector Liability, Preprint No.80553, Oct 80, 8pp.

Green, Michal
See Gedaliah Shelef, EE6:Dec 80:1099:15884

Green, Richard J.
A Federal Perspective on Lifeline Seismic Safety, C080:80:1

Green, Robert R.
The Use of B&W and C.I.R. Photography at M.D.O.T., AS80:Aug 80:140

Greenberg, Donald P.
See Peter N. French, WR1:Mar 80:21:15235

Greenberg, Max E.
Contractual Arrangements—C, CRLS:Jan 79:II-100

Greenfield, Paul F.
Dsc, with Simon P. Moodie, EE6:Dec 79:1186: 15006, of "Shock Load Attenuation by a Trickling Filter", EE3:June 78:461:13814

Greenfield, Seymour S.
Federal Regulations and Professional Practice, EI4: Oct 79:219:14916
TR:145:389

Greenstein, Eleazer L.
The Need for On-Site Sewage Disposal in South Florida, Preprint No.80-566, Oct 80, 3pp.

Greeson, Phillip E.
USGS Sharpening Water-Quality Management Tools, CE:Feb 79:92
TR:145:123

Grefsheim, Frank D.
Timber Pile Study, Exisiting Structure, GTDF:80:166

Gregory, Constantine J.
See William A. Turner, EE2:Apr 80:311:15348

Greimann, L.
See M. A. Kassem, TN: ST7:July 80:1645:15517

Grenney, William J.
See David S. Bowles, TN: EE4:Aug 80:833:15588

Gress, Ronald K.
Systematic Evaluation of Navigation in Harbors, with John D. French, PO80:May 80:568

Greulich, Gunther
Definition of Mean High Water Line, TN: SU1:Nov 79:111:14943
Dsc: James P. Weidener, TN: SU1:Nov 80:181: 15786
Planning and Engineering Requirements For A Land Data System, SU80:June 80:42
Dsc, HY6:June 79:763:14600, of "Impact of Hydrologic Uncertainties on Flood Insurance", HY11:Nov 78:1473:14168
Dsc, SU1:Nov 80:182:15786, of "Proposed Right-of-Way Policy", SU1:Nov 79:35:14956

Grew, Priscilla C.
Seismic Hazards: A State Government Perspective, C080:80:18

Grierson, Donald E.
Plastic Design under Combined Stresses, with Ahmed A. Aly, EM4:Aug 80:585:15606

Griffin, Owen M.
Vortex-Excited Vibrations of Marine Cables, with John H. Pattison, Richard A. Skop, Steven E. Ramberg and Dallas J. Meggit, WW2:May 80:183: 15414
TR:145:733
See Steven E. Ramberg, ST11:Nov 77:2079:13321

Griffith, Don A.
An Evaluation of a Cloud Seeding Program in Utah, IRKA:July 80:107

Griffith, Shelley
See Ken Blakely, EM81:Jan 81:846

Grigg, Neil S.
Management of U.S. Water Research, WR1:Mar 80: 143:15270
TR:145:507
Stormwater Management In Coastal North Carolina, with Alfred M. Duda and John Morris, HYUS:June 80:33
Dsc, UP1:Nov 80:106:15788, of "Large-Scale Urban Modeling", UP2:Nov 79:89:14947

Grigoriu, Mircea
Effects of Correlation on Extreme Wind, Preprint No.80-677, Oct 80, 9pp.
Optimal Estimation of Convolution Integrals, with Niels C. Lind, EM6:Dec 80:1349:15940
Probabilistic Modelling as Decision Making, with Daniele Veneziano and C. Allin Cornell, EM4:Aug 79:585:14736
TR:145:328
Reliability of Active Parallel Systems, EY2:Aug 79: 199:14740
TR:145:294
Tables of Dimensionless Central Moments, TN: EM6:Dec 80:1423:15871

Grimm, Clayford T.
Allowable Wind Loads on Wood Construction Stakes, CO3:Sept 79:263:14857
TR:145:464
Differential Movement in Composite Load-Bearing Masonry Walls, with David W. Fowler, ST7:July 79:1277:14666
Dsc: Subhash C. Anand, ST9:Sept 80:1996:15665; Russell H. Brown, ST9:Sept 80:1998:15665; Tom McNeilly, ST9:Sept 80:1998:15665
Errata: ST6:June 80:1387:15446
TR:145:317
Estimating Masonry Wall and Column Costs, CO4: Dec 77:627:13413
Dsc: Marvin Gates and Amerigo Scarpa, CO3: Sept 78:367:13977; H. C. Fischer, CO1:Mar 79: 110:14400
Clo: CO4:Dec 79:400:15005
TR:145:49

Grinnell, Gary K.
Dsc, CE:June 80:32, on Conflict on the Job: How to Cope, CE:Dec 79:71

Groeneveld, J.
See H. J. Geldof, TN: HY12:Dec 80:2055:15872

Gromala, David S.
See John A. Youngquist, ST7:July 79:1405:14673

Gronquist, Carl H.
Dsc, ST9:Sept 78:1535:13981, of "Erection Strength Adequacy of Long Truss Cantilevers", ST1:Jan 77: 225:12698

Grossbard, Al
Grossbard Joins ASCE Staff, CE:Nov 80:71

Grubb, M. A.
See Geerhard Haaijer, Preprint No.80-519, Oct 80, 14pp.

Grubert, John P.
Estuarine Front Formation and Propagation, HY6: June 80:961:15485
TR:145:716
Experiments on Arrested Saline Wedge, HY6:June 80:945:15484
TR:145:714

Grundy, Paul
Beam-To-Column Moment Connecttions, with Ian R. Thomas and Ian D. Bennetts, ST1:Jan 80:313: 15108
Dsc: George Kostro, ST11:Nov 80:2357:15785; Natarajan Krishnamurthy, ST12:Dec 80:2573: 15868
TR:145:533

Gualda, Nicolau D.F.
See William J. Dunlay, Jr., TE1:Jan 79:41:14285

Guarino, Carmen F.
Water Quality, Energy, Legislation: Challenge of the 80's, EE80:July 80:1

Gubbe, Lawrence W.
Lake Byllesby Dam — Mitigation of Hazard, Preprint No.80-054, Apr 80, 22pp.

Gudehus, G.
Dsc, GT5:May 79:711:14549, of "Definition of Terms Related to Liquefaction", GT9:Sept 78:1197: 14037
Dsc, GT9:Sept 80:1071:15662, of "Stress Path Method: Second Edition", GT6:June 79:727:14655

Guedelhoefer, Otto C.
See Suresh G. Pinjarkar, TC1:Apr 79:103:14497

Guha, Santosh Kumar
Dsc, with Janardan G. Padale, GT5:May 79:703: 14549, of "Uncertainties in Seismic Risk Procedures", GT7:July 78:869:13896
Dsc, with Janardan G. Padale, ST10:Oct 79:2129: 14869, of "Development of Expectancy Maps and Risk Analysis", ST8:Aug 78:1179:13972

Guidice, James V.
"Claims and Changes Handbook for Construction Contract Management," by Paul Levin. (Book review), CE:May 80:34

Guins, Vsevolod G.
See Edmund F. Goedde, HY12:Dec 79:1487:15070

Guitjens, Johannes C.
Water Use Efficiency: A Case Study In NW Nevada, IRKA:July 80:365

Gulewicz, Victor
See S. David Phraner, UT79A:July 79:60

Guliani, Ashok K.
See Amiya K. Basu, ST8:Aug 79:1637:14783

Gulkan, P.
See Ray W. Clough, EM81:Jan 81:517

Gullinane, M. John, Jr.
CAPDET—Cost Estimating for Wastewater Treatment, CP80:June 80:320

Gumula, Mark L.
Spoil Islands: Determining How Local Governments Can Manage Them, with R. Grant Gilmore, CZ80: Nov 80:2236

Gundlach, Erich R.
See Miles O. Hayes, PO80:May 80:697

Gupta, Ajaya K.
Skew Reinforcement in Slabs, TN: ST8:Aug 78:1317: 13917
Dsc: Rajan Sen, TN: ST5:May 79:970:14551
Clo: TN: ST3:Mar 80:741:15227
Dsc, ST10:Oct 80:2139:15722, of "Cooling Towers Using Measured Wind Data", ST3:Mar 80:579: 15259
See Adam Al-Dabbagh, ST6:June 79:1089:14636
See Adam Al-Dabbagh, EY2:Aug 79:169:14737

Gupta, Radhey K.
Dynamic Loading of Highway Bridges, EM2:Apr 80: 377:15359
Errata: EM3:June 80:584:15442
TR:145:640
Vehicle Braking on Highway Bridges, with Rupert W. Traill-Nash, EM4:Aug 80:641:15615

Gupta, Santosh K.
See Frederick L. Hart, EE4:Aug 78:785:13955

Gupta, Sunil
Hybrid Modeling Of Seismic Soil-Structure Interaction, with Joseph Penzien, EM81:Jan 81:201

Gupta, Sushil K.
See Kittur G. Ranga Raju, HY5:May 79:547:14596

Gurujee, Chandrahas S.
See Bharat B. Joshi, ST2:Feb 79:437:14399

Guter, Gerald A.
Alternatives for Reducing Nitrate in Municipal Supplies at McFarland, Calif., with Ernest Kartinen, Jr., EE80:July 80:520

Gutierrez, Alberto F.
Five Years of Sewer System Evaluation, with J. Harry Rowell, EE6:Dec 79:1149:15039
TR:145:550

Gutierrez, Leonardo V., Jr.
Water Supply Feasibility Studies in Philippines, UP1: May 78:59:13726
Dsc: Krishan P. Singh, UP1:Jan 79:83:14273
Clo: UP2:Nov 79:171:14939
TR:145:143

Gutkowski, Richard M.
Timber Bridges: A State-of-the-Art Report, with Thomas G. Williamson, Preprint No.80-128, Apr 80, 22pp.

Gutshall, Nancy
See Volker W. Harms, CZ80:Nov 80:947

Guvanasen, Varuttamadhira
Dsc, HY10:Oct 79:1317:14868, of "Accurate Calculation of Transport in Two Dimensions", HY11:Nov 77:1259:13336

Guy, Sammie D.
Contractual Arrangements—D, CRLS:Jan 79:II-108

Guza, Robert T.
See Reinhard E. Flick, WW1:Feb 80:79:15175

Ha, HoBoo
Dsc, with Michael W. O'Neill, GT8:Aug 80:952: 15584, of "Pile Cap Soil Interaction from Full-Scale Lateral Load Tests", GT5:May 79:643:14571

Ha, Kinh H.
Corrugated Shear Diaphragms, ST3:Mar 79:577: 14449
Dsc: J. Michael Davies, ST1:Jan 80:367:15098
Clo: ST11:Nov 80:2353:15785
TR:145:219
Orthotropic Membrane for Tall Building Analysis, with Paul P. Fazio and Osama Moselhi, ST9:Sept 78:1495:14033

Dsc: A. Pocanschi and Ioan Olariu, ST10:Oct 79: 2135:14869
Clo: ST9:Sept 80:1986:15665
TR:145:106
Simplified Design of Corrugated Shear Diaphragms, with Noor El-Hakim and Paul P. Fazio, ST7:July 79:1365:14681
Dsc: John T. Easley, ST7:July 80:1660:15513; S. Chockalingam, ST7:July 80:1661:15513
TR:145:352

Haaijer, Geerhard
Autostress Design of Steel Bridges, with Phillip S. Carskaddan and M. A. Grubb, Preprint No.80-519, Oct 80, 14pp.
See Phillip S. Carskaddan, ST10:Oct 80:2129:15722
See Roger L. Brockenbrough, ST11:Nov 80:2185: 15800

Haas, Charles N.
Dsc, EE6:Dec 79:1198:15006, of "Kinetics of Bacterial Deactivation with Chlorine", EE6:Dec 78: 1197:14247

Habibagahi, Karim
Zero Extension Line Theory of Earth Pressure, with Arsalan Ghahramani, GT7:July 79:881:14702
TR:145:453

Hachum, Ahmed Y.
Rain Infiltration into Layered Soils: Prediction, with Jose F. Alfaro, IR4:Dec 80:311:15905

Hack, Samuel L.
Project Management and Contractual Relationships, CRLS:Jan 79:1-73

Hacker, Edith A.
See W. C. Wan, GTDF:80:495

Haddad, Geoffrey B.
See Robert G. Drysdale, ST12:Dec 79:2601:15072

Haderer, Philip A.
See Kevin J. Phillips, HYUS:June 80:228

Hadid, Hassoun A.
Bending Analysis of Parabolic Velaroidal Shells, with Paul P. Lynn, ST7:July 80:1609:15570

Hadjian, Asadour H.
Issues Related To Soil-Structure Dynamic Analysis, EM81:Jan 81:600
On The Reduction Of 3D Soil-Structure Interaction Problems TO 2D Models -a1A., with J. E. Luco and Hung Leung Wong, EM81:Jan 81:217
See Hagop N. Nazarian, GT9:Sept 79:1049:14805

Hadjipanos, Panos
See Peter R. Wormleaton, HY5:May 80:942:15379
See Peter R. Wormleaton, HY9:Sept 80:1554:15663

Hafez, H. H.
Pretensioning of Single-Crossarm Stayed Columns, with Murray C. Temple and John S. Ellis, ST2:Feb 79:359:14362
Dsc: Erling A. Smith, ST11:Nov 79:2484:14936
Clo: ST8:Aug 80:1825:15586
TR:145:177

Haftka, Raphael T.
See Birendra Prasad, ST11:Nov 79:2367:15004

Hagan, Robert M.
Energy Impact Analysis in Water Project Planning, with Edwin B. Roberts, WR1:Mar 80:289:15271
TR:145:518
See W. O. Pruitt, IRKA:July 80:346

Hage, Sven E.
See James G. MacGregor, ST10:Oct 77:1953:13280

Hagerty, D. Joseph
See William S. Heckman, CO4:Dec 78:385:14205

Haggag, Mohamed R.
Dsc, HY6:June 79:760:14600, of "Three-Dimensional Open Channel Flow", HY8:Aug 78:1119:13963
Dsc, HY6:June 79:760:14600, of "Fluid Dynamic Lift on a Bed Particle", HY8:Aug 78:1171:13976

Haimes, Yacov Y.
Level-B Multiobjective Planning for Water and Land, with Prasanta Das and Kai Sung, WR2:Sept 79:385: 14859
TR:145:298

Haldar, Achintya
Liquefaction Study — A Decision Analysis Framework, GT12:Dec 80:1297:15925
Probabilistic Evaluation of Liquefaction Potential, with Wilson H. Tang, GT2:Feb 79:145:14374
TR:145:268
Probabilistic Evaluation of Welded Structures, Preprint No.80-540, Oct 80, 14pp.
Uncertainty Analysis of Relative Density, with Wilson H. Tang, TN: GT7:July 79:899:14665
Dsc: Eli Zolkov, TN: GT9:Sept 80:1078:15662
Clo: TN: GT9:Sept 80:1080:15662

Haley, Steven C.
See Kul Bhushan, GT8:Aug 79:969:14789

Haley, William J.
Dsc, CE:Aug 79:28, on Steel Plate Shear Walls Resist Lateral Load, Cut Costs, CE:Feb 79:53

Halff, Albert H.
See Monroe McCorkle, HY2:Feb 79:125:14346

Haliburton, T. Allan
Best Ways to Dewater Dredged Material, CE:Aug 79:57
TR:145:340
See Jack Fowler, Preprint No.80-177, Apr 80, 30pp.

Halka, Jeffrey P.
See Randall T. Kerhin, CZ80:Nov 80:1289

Hall, Clifford D.
See David J. Ball, WW2:May 80:229:15425

Hall, Francis X.
The Dynamics of Putting It All Together for the Boston Southwest Corridor Project, with Lawrence W. Shumway, Preprint No.80-171, Apr 80, 17pp.

Hall, Jeffrey C.
See Celal N. Kostem, ST8:Aug 80:1830:15586

Hall, John R., Jr.
See Ioannis V. Constatopoulos, GT11:Nov 80:1284: 15783

Hall, Roderick L.
See Jack F. Hannaford, EFHYF:Mar 79:47
See Jack F. Hannaford, Preprint No.80-071, Apr 80, 21pp

Hall, Thomas A.
Highway Safety Program Overview, HW80:Mar 80:3
Implementing Highway Safety Improvements, HW80: Mar 80
National Highway Safety Program Effectiveness, TE4:July 78:449:13878
Errata: TE6:Nov 79:735:14938
TR:145:22

Hall, Warren A.
Dsc, IR4:Dec 79:443:15010, of "Standards for Irrigation Efficiencies of ICID", IR1:Mar 79:37:14457
See John W. Labadie, Preprint No.80-146, Apr 80, 22pp.

Hall, Whitney W.
See James Paul Tullis, HYCO:Aug 80:62

Hall, William J.
Gas and Liquid Fuel Pilpeline Seismic Design, with Robert P. Kennedy, CO80:80:150
Seismic Design Criteria for Gas and Liquid Fuel Pipelines, with Robert P. Kennedy, Preprint No.80-042, Apr 80, 22pp.
See C. James Montgomery, ST10:Oct 79:1917:14919

Haller, Douglas L.
The Role of the Corps in Port Development, PO80:May 80:726

Hallermeier, Robert
Sand Motion Initiation by Waves: Two Asymptotes, WW3:Aug 80:299:15603

Halliday, Robert A.
Hydrologic Telemetry from Remote Areas, ASDC:80:329

Halpin, Daniel W.
Computerized Cost Control of Nuclear Power Plants, CO4:Dec 79:305:15036
TR:145:503

Halvadakis, Constantine
See James O. Leckie, EE2:Apr 79:337:14533

Halvorsen, Grant T.
See Lyle K. Moulton, Preprint No.80-567, Oct 80, 18pp.

Hamel, Laurent
Award for 1980 to be given this Month: Rowland Prize, with David Nixon, CE:Oct 80:152
Excavation of World's Largest Underground Powerhouse, with David Nixon, CO3:Sept 78:333:13995
TR:145:2

Hamid, Ahmad A.
Shear Strength of Concrete Masonry Joints, with Robert G. Drysdale and Arthur C. Heidebrecht, ST7:July 79:1227:14670
Dsc: Russell H. Brown, ST3:Mar 80:747:15227
Clo: ST10:Oct 80:2121:15722
TR:145:327
See Robert G. Drysdale, ST7:July 79:1261:14669

Hamilton, J. J.
Behavior of Expansive Soils in Western Canada, SLS:June 80:815

Hamilton, R. C.
See G. Z. Forristall, Preprint No.80-536, Oct 80, 18pp.

Hammer, Mark J.
A Review of Design Fundamentals is Needed, EE80:July 80:167

Hammond, David G.
Minimizing Risks and Mitigating Losses — B, CRLS:Jan 79:I-133
Summary Session—D, CRLS:Jan 79:II-192

Hamon, W. Russell
Design for Erosion Loss Studies on Disturbed Lands, with James V. Bonta, IRKB:July 80:27

Hampton, Delon
Economic Potential of Tunnel Standardization, with Terence G. McCusker, CO3:Sept 80:247:15668

Hampton, Duane R.
See John W. Labadie, Preprint No.80-146, Apr 80, 22pp.

Hanaor, Ariel
Space Truss Studies with Force Limiting Devices, with Lewis C. Schmidt, ST11:Nov 80:2313:15808
See Lewis C. Schmidt, ST5:May 79:939:14589

Hancher, Donn E.
Setting Highway Construction Contract Duration, with James E. Rowings, Preprint No.80-142, Apr 80, 22pp.

Hancock, Gregory J.
Local, Distortional, and Lateral Buckling of I-Beams, ST11:Nov 78:1787:14155
Dsc: Roger J. Plank and S. M.S. Ranjith Sangakkara, ST10:Oct 79:2138:14869; Jiri Studnicka and Vladimir Kristek, ST10:Oct 79:2139:14869; Ichizou Mikami and Hiroshi Yonezawa, ST11:Nov 79:2475:14936
Clo: ST8:Aug 80:1823:15586
TR:145:121
Web Distortion and Flexural-Torsional Buckling, with Mark A. Bradford and Nicholas S. Trahair, ST7:July 80:1557:15539

Handa, V. K.
Construction Project Selection and Bernoulli Utility, with I. F. Georgiades, CO3:Sept 80:355:15683

Hands, Edward B.
See Edward Meisburger, CZ80:Nov 80:810

Hanes, Daniel M.
See Richard J. Seymour, WW3:Aug 79:265:14755

Hann, Roy W., Jr.
Oil Pollution Still a Problem for America's Ports, PO80:May 80:710

Hanna, Bruce E.
See Harold F. Bishop, CE:Feb 79:65

Hanna, Thomas H.
See Sin-Fatt Chan, GT2:Feb 80:171:15222

Hanna, William J.
Examinations for Registration, EI4:Oct 78:257:14076
Dsc: Milton Alpern, EI4:Oct 79:241:14865
Clo: EI4:Oct 80:423:15718
TR:145:115

Hanna, Youssef G.
See Jagmohan L. Humar, EM81:Jan 81:461

Hannaford, Jack F.
Forecast Error and Operational Application of Water Supply Forecasts, with Roderick L. Hall and A. Jean Brown, Preprint No.80-071, Apr 80, 21pp.
Problems in Operational Hydrologic Forecasting, with Roderick L. Hall, EFHYF:Mar 79:47
See Albert Rango, HY1:Jan 79:53:14326

Hannoura, A'Alim A.
Flow Coefficients and Computer Models Reliability, HYCO:Aug 80:366

Hannoura, Alim A.
Air-Water Flow in Coarse Granular Media, with John A. McCorquodale, HY7:July 78:1001:13888
Errata: HY11:Nov 79:1453:14935
TR:145:90
Virtual Mass of Coarse Granular Media, with John A. McCorquodale, WW2:May 78:191:13734
Dsc: Orville T. Magoon, WW1:Feb 79:102:14357
Clo: WW4:Nov 79:479:14940
TR:145:125

Hansell, William Charles
Composite Beam Criteria in LRFD, with Theodore V. Galambos, Mayasandra K. Ravindra and Ivan M. Viest, ST9:Sept 78:1409:14005
Dsc: Kenneth B. Wiesner, ST5:May 79:972:14551
Clo: ST2:Feb 80:571:15162
TR:145:80

Hansen, A. Craig
Turbulence and Wind-Turbine Performance, TE6: Nov 80:675:15852

Hansen, N.-E. Ottesen
See J. Kirkegaard, PO80:May 80:597

Hansen, Roger D.
Stochastic Approach to Waste Treatment Planning, with A. Bruce Bishop and Rangesan Narayanan, WR1:Mar 80:275:15265
TR:145:465

Hanson, Clayton L.
Dsc, HY11:Nov 79:1459:14935, of "Interstorm Relations in Pacific Northwest", HY12:Dec 78: 1577:14255

Hanson, John M.
See Ian R. Chin, Preprint No.80-145, Apr 80, 20pp.
See Boris Bresler, Preprint No.80-596, Oct 80, 10pp.

Hanson, Loring E.
San Francisco Ocean Outfall Port Valve Development, with Henry H.C. Lin, Allen L. Davis, John S. Readshaw and Robert T. Hudspeth, HYCO:Aug 80:51

Hanson, Robert D.
See Lawrence F. Kahn, ST2:Feb 79:283:14364
See Ashok K. Jain, ST3:Mar 79:687:14404
See Ashok K. Jain, ST8:Aug 80:1777:15607
See Lawrence F. Kahn, CE:Oct 80:147

Hanson, Sue Ann
See Robert S. Taylor, HYUS:June 80:316

Hanson, Walter E.
See John P. Gnaedinger, EI4:Oct 79:207:14920

Haque, Muhammad I.
See Samuel L. Lipson, ST12:Dec 80:2509:15947

Haramis, G. Michael
See Virginia Carter, CZ80:Nov 80:1537

Hardee, Joseph Earlton
See Vernon Charles Matzen, EM81:Jan 81:687

Harden, Terrence O.
Numerical Simulation of Mixing in Natural Rivers, with Hung Tao Shen, HY4:Apr 79:393:14501
TR:145:273

Hardin, Bobby O.
Dsc, GT8:Aug 80:956:15584, of "Anisotropic Shear Modulus due to Stress Anisotropy", GT7:July 79: 871:14692

Hardin, Harry F.
History of Computer Graphics in the U.S. Army Corps of Engineers, with James M. Jones, II, CP80: June 80:10

Haris, Ali A.K.
Approximate Stiffness Analysis of High-Rise Buildings, ST4:Apr 78:681:13700
Dsc: F. Mortelmans, G. De Roeck and D. Van Gemert, ST5:May 79:967:14551
Clo: ST5:May 80:1220:15380
TR:145:49

Harker, D. Brook
See B. A. Paterson, IRKA:July 80:263

Harleman, Donald R.F.
See Gerhard H. Jirka, EY2:Aug 79:291:14779
See Joseph H.W. Lee, HY10:Oct 79:1219:14929
See Raymond A. Ferrara, EE1:Feb 80:37:15168
See Tavit O. Najarian, WW1:Feb 80:1:15172

Harley, Brendan M.
See Peter Shanahan, CP80:June 80:27

Harley, Richard B.
See John Mascenik, PO80:May 80:763

Harlow, Eugene H.
Large Rubble-Mound Breakwater Failures, TN: WW2:May 80:275:15385
Dsc, CE:May 80:22, on Redesigning the Auto: A Key to Solving the U.S. Energy, CE:Nov 79:92

Harms, Volker W.
Design Criteria for Floating Tire Breakwaters, WW2: May 79:149:14570
Dsc: Arunachalam M. Aruncachalam and Harihara Raman, WW2:May 80:296:15382
TR:145:374
Diffraction of Water Waves by Isolated Structures, WW2:May 79:131:14561
Dsc: Franco Mattioli, WW1:Feb 80:139:15163
Clo: WW4:Nov 80:494:15789
TR:145:342
Diffraction of Waves by Shore-Connected Breakwater, HY12:Dec 79:1501:15075
Dsc: Constantine D. Memos, HY11:Nov 80:1949: 15784
TR:145:522
Dye-Vector Flow Visualization—Cooling Water Model, with Robert L. Wiegel, WW3:Aug 79:293: 14767
TR:145:492
Potential Coastal-Zone Impacts of Alternative Ocean Energy Systems, with Nancy Gutshall, CZ80:Nov 80:947

Harned, Douglas A.
See Philip B. Bedient, EE6:Dec 78:1087:14237

Haroun, Medhat A.
Dynamic Interaction On Liquid Storage Tanks And Foundation Soil, with George W. Housner, EM81: Jan 81:346
See George W. Housner, Preprint No.80-085, Apr 80, 21pp.

Harp, Jimmy F.
The Physical Impacts of Sand Removal From Rivers, with Joakim G. Laguros, IRKA:July 80:180

Harper, George T.
See Clyde B. Tatum, CO2:June 80:141:15478

Harper, Harvey H.
Detention/Retention Stormwater Designs, with Claude L. Cassagnol and Martin P. Wanielista, Preprint No.80-599, Oct 80, 11pp.

Harper, Jerome P.
Surface-Mining Legislation and Regulation, EE1:Feb 80:145:15170
TR:145:606

Harper, John R.
Dsc, WW1:Feb 80:134:15163, of "Littoral Drift and Erosion at Belle Pass, Louisiana", WW4:Nov 78: 375:14184

Harr, Milton E.
See Dimitri Athanasiou-Grivas, TN: GT5:May 80: 559:15432

Harriott, Donald M.
See John J. Carroll, CE:Oct 79:76

Harris, David W.
Computer Software for Grand Coulee Stabilization, CP80:June 80:230

Harris, Ed P.
See Fred A. Koehler, TN: EE3:June 80:655:15447

Harris, Frank C.
See David G. Woods, CO2:June 80:131:15490

Harris, Harry G.
Models of Precast Concrete Large Panel Buildings, with John C. Muskivitch, ST2:Feb 80:545:15218
TR:145:603

Harris, J. A.
See Clyde B. Tatum, Preprint No.80-629, Oct 80, 13pp.

Harris, James Robert
Computer Aids for the Organization of Standards, with Richard N. Wright, CP80:June 80:112

Harrison, Howard B.
Large Deformation Analysis of Submerged Ring Frames, EM5:Oct 79:829:14913
TR:145:430

Harrison, Joseph O., Jr.
Approaches to Program Correctness, TC1:Nov 78:39: 14146
Dsc: Theodore K. Chaplin, TC2:Dec 79:469: 15012
TR:145:21

Harrison, Joseph P.
Distributed Data Entry and Processing, CP80:June 80:614

Harrop, Jack
See Sk. Abdus Salam, ST3:Mar 79:635:14465

Hart, Frederick L.
Hydraulic Analysis of Model Treatment Units, with Santosh K. Gupta, EE4:Aug 78:785:13955
Dsc: R. Rhodes Trussell, Robert E. Selleck and Junn-Ling Chao, EE4:Aug 79:796:14720
Clo: EE2:Apr 80:455:15296
TR:145:91

Hart, Gary C.
Earthquake and Wind Response of a Rehabilitated Multistory Building, Preprint No.80-679, Oct 80, 10pp.
See Marshall Lew, ST6:June 79:975:14631
See Gerard C. Pardoen, Preprint No.80-680, Oct 80, 12pp.
See Robert E. Englekirk, Preprint No.80-681, Oct 80, 13pp.
See Gerard C. Pardoen, EM81:Jan 81:164
See Stepan S. Simonian, EM81:Jan 81:672

Hart, George E.
Soil Moisture and Snowpack after Clearcutting, with David A. Lomas, IRKB:July 80:311
Soil Solution Chemistry and Slash Disposal, with Norbert V. DeByle and Robert W. Hennes, IRKB: July 80:318

Hart, William E.
Irrigation Performance: An Evaluation, with Gideon Peri and Gaylord V. Skogerboe, IR3:Sept 79:275: 14827
TR:145:469
Optimal Seasonal Irrigation Application Analysis, with Donald I. Norum and Gideon Peri, IR3:Sept 80:221:15687
See Gideon Peri, IR4:Dec 79:341:15093
See Donald I. Norum, IR4:Dec 79:357:15094
See Ronald L. Elliott, IR4:Dec 80:321:15913

Hartbower, Carl E.
Dsc, ST5:May 79:956:14551, of "Evaluations of Fracture of Lafayette Street Bridge", ST7:July 77: 1339:13059

Hartle, Earl
See Andrew T. Merovich, Preprint No.80-592, Oct 80, 14pp.

Hartman, John Paul
Dsc, ST7:July 78:1174:13857, of "History and Esthetics in Suspension Bridges", ST8:Aug 77:1655: 13143

Hartman, Paul John
Inventories, Surveys and Historic Preservation, Preprint No.80674, Oct 80, 6pp.

Hartman, William J.
See Jaime Amorocho, HYCO:Aug 80:451
See Johannes J. DeVries, HYCO:Aug 80:463

Hartstern, Robert F.
Quality Control During Construction of Power Plants, Preprint No.80-617, Oct 80, 9pp.

Hartz, B. J.
Dynamic Response of the hood Canal Floating Bridge, EM81:Jan 81:16

Harvey, Greig
Trip-Based Analysis of Auto Emissions, CAAA:Nov 79:225

Harvey, Roger C.
Dsc, with Andreas Andreadis and Stelios N. Tsangarides, GT5:May 80:577:15378, of "Uplift Testing of Model Drilled Shafts in Sand", GT1:Jan 79:31:14301
See Andreas Andreadis, TN: GT7:July 78:1033: 13867

Hasan, J. U.
See D. G. Fredlund, SLS:June 80:1
See D. G. Fredlund, SLS:June 80:322

Hasebe, Norio
Bending of Strip with Semielliptic Notches or Cracks, EM6:Dec 78:1433:14248
Errata: EM6:Dec 79:1072:15007
TR:145:121

Hasnat, A.
See M. Abdul Mansur, ST11:Nov 79:2433:14970

Hassett, William H.
Remedial Actions for Open Dumps, with Earl T. Conrad, Preprint No.80-575, Oct 80, 11pp.

Hatcher, David S.
Design of Composite Prestressed Concrete Beams, ST1:Jan 79:185:14298
TR:145:133
Direct Flexural Design of Prestressed Concrete, ST8: Aug 78:1231:13958
Dsc: Antoine E. Naaman, ST6:June 79:1216: 14602; A. S. Prasada Rao, ST5:May 80:1222: 15380
Clo: ST12:Dec 80:2567:15868
TR:145:70
Standard Prestressed Concrete Beam Design, ST1:Jan 80:23:15106
TR:145:529

Hatchett, S. A.
Dsc, with B. K. Stevens and H. J. Vaux, Jr., IR3:Sept 80:259:15664, of "Crop Response Information for Water Institutions", IR3:Sept 79:221:14814

Hatheway, Allen W.
Broad Area Searches for Hazardous Waste Disposal, with Pickett T. Simpson and John L. Splendore, EE80:July 80:329

Hathout, Ibrahim A.
Buckling of Space Stayed Columns, with Murray C. Temple and John S. Ellis, ST9:Sept 79:1805:14852
Dsc: Frederic W. Williams and W. Paul Howson, ST10:Oct 80:2125:15722
TR:145:403

Hatmaker, Michael L.
Sensitivity and Sensibility in Air Quality Models, CAAA:Nov 79:250

Hatton, Roger L.
The PMD Program—One State's View, HW80:Mar 80:149

Hatzigogos, Th. N.
See St. S. Tsotsos, GT8:Aug 79:991:14722

Hatzinikolas, Michael
See Sher Ali Mirza, ST6:June 79:1021:14628

Haug, Edward J.
See Jasbir S. Arora, Preprint No.80-501, Oct 80, 13pp.

Haug, Roger T.
See Raymond L. Huitric, EE80:July 80:55

Haugan, Bjorn-Erik
See John T. Novak, EE5:Oct 79:993:14892

Haultman, Bruce
See Philip Shapiro, CAAA:Nov 79:43

Hausammann, Hans
See John W. Fisher, Preprint No.80-029, Apr 80, 22pp.
See John W. Fisher, ST4:Apr 80:773:15343

Hause, Darrell R.
See Fred A. Schmer, ASDC:80:244

Haven, Kendall F.
See Ronald L. Ritschard, CZ80:Nov 80:967

Havens, James H.
See Robert C. Deen, TE2:Mar 80:155:15273

Havers, John A.
Dsc, CO1:Mar 80:95:15223, of "Complex Problems with Separate Contracts System", CO2:June 79:129: 14614

Hawk, Hugh
See Michel A. Sargious, ST1:Jan 79:53:14314

Hawkins, Richard H.
Infiltration and Curve Numbers: Some Pragmatic and Theoretic Relationships, IRKB:July 80:925
Runoff Curve Numbers form Partial Area Watersheds, IR4:Dec 79:375:15024
Dsc: Roger E. Smith and Robert J. Montgomery, IR4:Dec 80:379:15867
TR:145:559
Runoff Curve Numbers with Varying Site Moisture, IR4:Dec 78:389:14254
Dsc: Robert E. Rallison and Roger G. Cronshey, IR4:Dec 79:439:15010; Bernard L. Golding, IR4:Dec 79:441:15010
Clo: IR3:Sept 80:257:15664
TR:145:131
Dsc, IR2:June 80:157:15445, of "Hydrological Impacts of Silvicultural Activities", IR1:Mar 79:57: 14437
See R. B. White, IRKB:July 80:54
See Thomas Arthur Holstrom, IRKB:July 80:283
See Everett P. Springer, IRKB:July 80:938

Hawkins, Robert W.
See James D. Decker, Preprint No.80-620, Oct 80, 13pp.

Hawley, Mark E.
Accuracy of Snowmelt Runoff Estimates, with Richard H. McCuen and Albert Rango, IRKB:July 80:347

Hay, Keith G.
Fishing and OCS Energy Development — Charting a Course of Compatibility, CZ80:Nov 80:335

Haycock, Donald
See Edward A. McBean, EY2:Oct 80:165:15732

Hayes, J. C.
See Billy J. Barfield, IRKB:July 80:98

Hayes, John M.
Ten are Elevated to ASCE Honorary Membership, CE:Oct 80:141
Dsc, CE:Mar 80:34, on Education in Civil Engineering: Boost Professional Orientation?, CE: Aug 79:64

Hayes, Miles O.
Sensitivity Ranking of Energy Port Shorelines, with Erich R. Gundlach and Charles D. Getter, PO80: May 80:697
See Duncan M. FitzGerald, CZ80:Nov 80:2355

Hayet, Leonard
Concrete Microwave Tower is Award Winner, with Franklin Z. Glickman, CE:Apr 79:62
TR:145:183

Haynes, Harvey H.
Dsc, CE:Sept 79:40, on Nuclear Wastes: Safe Way to Dispose Them Underground Forever, CE:May 79: 72

Hays, Clifford O., Jr.
Inelastic Section Response by Tangent Stiffness, with T. K. Santhanam, ST7:July 79:1241:14668

TR:145:322
Masing Model for Earthquake Response, Preprint No.80-547, Oct 80, 13pp.
Dsc, ST11:Nov 79:2482:14936, of "Model for Mild Steel in Inelastic Frame Analysis", ST1:Jan 79:199:14333
Dsc, ST8:Aug 80:1833:15586, of "Cyclic Inelastic Buckling of Thin Tubular Columns", ST11:Nov 79:2261:14982
See Luc Lachance, ST11:Nov 80:2203:15801

Hazony, Yehonathan
Algorithms for Interactive Structural Analysis, with Lawrence E. Zeidner, CP80:June 80:257

Heady, Earl O.
Food and Agricultural Policies, WR1:Mar 79:151:14415
TR:145:105

Healey, James P.
Wave-Induced Pore Pressure Models — A Critical Review, with Pedro A. De Alba, Preprint No.80-562, Oct 80, 14pp.

Healey, John J.
Dsc, with Samuel Weissman, ST6:June 79:1212:14602, of "Local Effects of Tornado-Generated Missiles", ST5:May 78:809:13775

Heaney, James P.
Dsc, with Robert Dickinson, UP1:Nov 80:105:15788, of "Distributing Regional Services Costs", UP1:Jan 79:51:14284
See Philip B. Bedient, WR2:Nov 77:241:13326
See Philip B. Bedient, IR4:Dec 78:373:14249

Heatwole, Charles A.
Race, Income and Attitude Toward Beach Cleanliness, with Neils C. West, CZ80:Nov 80:1684

Heatwole, R. Timothy
See W. Dennis Moran, TC1:Aug 80:41:15616

Hebaus, George G.
Dsc, HY10:Oct 79:1330:14868, of "Vortex Formation at Vertical Pipe Intakes", HY10:Oct 78:1429:14104

Hebbert, Bob
Collie River Underflow into the Wellington Reservoir, with Jorg Imberger, Ian Loh and John Patterson, HY5:May 79:533:14593
Errata: HY8:Aug 80:1411:15585
TR:145:318

Hecht, L. G., Jr
See E. T. Smith, CZ80:Nov 80:2083

Hecker, Milton J.
Specifying Pipeline Construction, TE4:July 79:361:14699
TR:145:275

Heckman, William S.
Vibrations Associated with Pile Driving, with D. Joseph Hagerty, CO4:Dec 78:385:14205
Dsc: J. Steven Farr, CO2:June 80:223:15440
Clo: CO4:Dec 80:611:15863
TR:145:128

Hegab, Hassan I.A.
Dsc, ST3:Mar 78:619:13580, of "History and Esthetics in Suspension Bridges", ST8:Aug 77:1655:13143
Dsc, ST2:Feb 80:576:15162, of "Free Torsional Vibrations of Suspension Bridges", ST4:Apr 79:767:14535
Dsc, ST6:June 80:1383:15446, of "Suspension Bridge Vibrations: Computed and Measured", ST5:May 79:859:14557

Heger, Frank J.
Design of Plastics Structural Components: Proposed ASCE Manual, with Richard E. Chambers and Albert G.H. Dietz, TC2:Dec 79:429:15025
TR:145:379
Proposed AISC LRFD Design Criteria, TN: ST3:Mar 80:729:15231
Dsc: Theodore V. Galambos, TN: ST10:Oct 80:2138:15722
See Robert V. Whitman, ST7:July 80:1573:15564

Heglund, C. Todd
The Des Moines Skywalk System, Preprint No.80-557, Oct 80, 14pp.

Heidebrecht, Arthur C.
See Ahmad A. Hamid, ST7:July 79:1227:14670
See Robert G. Drysdale, ST7:July 79:1261:14669

Heil, Richard J.
See William E. Gates, SU1:Nov 80:105:15826

Hein, Gary W.
See Edward J. Rhomberg, EI4:Oct 80:345:15727

Heinecke, Thomas L.
Physical Inspection of Three Ocean Disposal Sites, Preprint No.80-019, Apr 80, 20pp.

Heins, Conrad P.
Approximate Curved I-Girder Design, Preprint No.80-504, Oct 80, 13pp.
Bending and Torsion Interaction of Box Girders, with Robert S. Humphreys, ST5:May 79:891:14587
TR:145:271
Bridge Redundancy: Effects of Bracing, with Cheng K. Hou, TN: ST6:June 80:1364:15451
LFD Criteria for Composite Steel I-Beam Bridges, ST11:Nov 80:2297:15803
Natural Frequency of Curved Box Girder Bridges, with M. A. Sahin, ST12:Dec 79:2591:15064
Dsc: Myassar M. Tabba, ST10:Oct 80:2130:15722
TR:145:497
Proportioning of Box Girder Bridges, with Li-Jen Hua, TN: ST11:Nov 80:2345:15792
Torsional Stiffening of I-Girder Webs, with Robert A. Potocko, ST8:Aug 79:1689:14788
Dsc: Morris Ojalvo, ST4:Apr 80:939:15302
Clo: ST10:Oct 80:2125:15722
TR:145:387

Heintzleman, Walter G.
Engineering Management Education—An Overview, with Anthony M. DiGioia, Jr., EI2:Apr 80:73:15350
TR:145:564

Heitz, Robert
Dsc, Root Problem, CE:Dec 80:33

Hekman, Louis H., Jr.
See Martin M. Fogel, IRKB:July 80:176

Helfrich, Steven C.
See Yuet Tsui, Preprint No.80-570, Oct 80, 17pp.

Helle, Steven C.
See Walter R. Fritz, Preprint No.80-594, Oct 80, 9pp.

Heller, Robert A.
See Mahendra P. Singh, ST7:July 80:1481:15542

Heltman, James W.
Dsc, EI4:Oct 80:430:15718, of "Elected Office For Engineers?", EI4:Oct 79:233:14924

Helweg, Otto J.
Estimating Irrigation Water Quantity and Quality, with Desi Alvarez, IR3:Sept 80:175:15712
Large-Scale Urban Modeling, UP2:Nov 79:89:14947
Dsc: Neil S. Grigg, UP1:Nov 80:106:15788
TR:145:711
See John T. Pedersen, HY5:May 80:837:15430

Hempel, Hugh W.
Lateral Loads on Power Boilers, EY2:Aug 79:241:14751
TR:145:384

Henderson, D. W.
See W. O. Pruitt, IRKA:July 80:346

Henderson, Gary S.
See Carl D. Settergren, IRKB:July 80:661

Henderson-Sellers, Brian
Forced Plumes in a Stratified Reservoir, HY4:Apr 78:13658
Dsc: Michael Schatzmann, HY1:Jan 79:119:14270; Steven J. Wright, HY3:Mar 79:281:14402
Errata: HY1:Jan 79:120:14270, HY5:May 80:933:15379
TR:145:58

Hendricks, David W.
Convection Limited Sorption Kinetics in Packed Beds, EE4:Aug 80:727:15605
Dsc, EI1:Jan 79:50:14267, of "Advising Non-CE Students in Graduate Programs", EI1:Jan 78:9:13466

Hendrickson, Chris
Distribution of Urban Transportation Costs, with John Pucher, UT79A:July 79:81
Dsc: Louis W. Petulla, UT79A:July 79:100; Thomas B. Deen, UT79A:July 79:102; Sheldon A. Kinbar, UT79A:July 79:105; C. Michael Walton, UT79A:July 79:107
User Losses in Earthquake-Damaged Roadway Networks, with Irving J. Oppenheim and Krishnaswami Siddharthan, TC1:Aug 80:117:15631

Hendron, David
See Sam Frydman, GT3:Mar 80:275:15289

Hendry, M. James
Hydrogeology of a Shallow Till Under Irrigation, IRKA:July 80:21

Henley, Bruce F.
See Robert K. Wen, TN: ST12:Dec 77:2399:13385

Hennes, Robert W.
See George E. Hart, IRKB:July 80:318

Henningson, John C.
Local Wastewater Disposal — A Reassessment, Preprint No.80-049, Apr 80, 19pp.

Henrion, Max
See Charles M. Eastman, TC1:Aug 80:171:15659

Henry, Jonathan F.
Dispersion Modeling in Time and Two Dimensions, with Edward G. Foree, EE6:Dec 79:1131:15054
Errata: EE6:Dec 80:1209:15864
TR:145:581

Henry, William P.
Improved Hydrologic Forecasting—Why and How, EFHYF:Mar 79
Session VI—Changing Needs in Hydrologic Forecasting, EFHYF:Mar 79:426

Hensey, Melville D.
Improving the Effectiveness of Engineering Organizations, with Kenneth Gibble, EI1:Jan 80:21:15156
TR:145:505
Improving the Employee Performance Appraisal Process, EI3:July 80:181:15531
Organization Change in A Turbulent Environment, Preprint No.80-684, Oct 80, 9pp.

Hermann, Frank V.
Air Transportation to Isolated Small Pacific Islands, MGC:July 80:22

Herning, Leland P.
See Echol E. Cook, EE3:June 78:461:13814

Herring, John C.
Geographic Land and Data System (GLADS), Preprint No.80-064, Apr 80, 12pp.

Herrmann, George
Awards for 1980 to be given this Month: von Karman Medal, CE:Oct 80:148

Herrmann, Herbert G.
See William N. Houston, GT6:June 80:691:15508

Herrmann, Leonard R.
See Yannis F. Dafalias, Preprint No.80-608, Oct 80, 14pp.

Herron, William J., Jr.
Awards for 1980 to be given this Month: Porraz Award, CE:Oct 80:152

Hester, Weston T.
Alternative Construction Quality Assurance Programs, CO3:Sept 79:187:14800
Dsc: Luke M. Snell, CO2:June 80:235:15440
Clo: EE6:Dec 80:1208:15864
TR:145:384

Heumann, Leonard F.
Low Income Housing Planning: State-of-the-Art, UP2:Nov 79:137:14962
TR:145:737

Hey, Donald L.
Planning for Water Quality: 1776 to 1976, with W. Henry Waggy, WR1:Mar 79:121:14440
TR:145:104

Hey, Richard D.
Determinate Hydraulic Geometry of River Channels, HY6:June 78:869:13830
Dsc: Chih Ted Yang and Charles C.S. Song, HY6:June 79:757:14600
Clo: HY5:May 80:934:15379
TR:145:72
Flow Resistance in Gravel-Bed Rivers, HY4:Apr 79:365:14500
TR:145:270
See James C. Bathurst, HY10:Oct 79:1277:14906

Heyman, Jacques
Dsc, TN: ST2:Feb 80:578:15162, of "Minimum-Weight Design of Nonuniform Beams", TN: ST7:July 79:1559:14664

Heynig, Ernst
See Frans Van Cauwelaert, CO1:Mar 79:13:14411

Hibsch, Gunter
Determination of Aquifer Transport Parameters, with Andrzej Kreft, HY9:Sept 79:1137:14833
TR:145:440

Hickman, H. Lanier, Jr.
Engineers in Political Decision-Making Process, EI2:Apr 80:117:15340
Dsc: Leonard Wegman, EI4:Oct 80:433:15718
TR:145:540

Hickox, George H.
Dsc, WR2:Sept 79:443:14797, of "Hydrology and Water Resources Planning: 1776-1976", WR1:Mar 79:113:14412

Hidinger, John O.
The Impact of the Clean Air Act on Future Transportation, CAAA:Nov 79:7
See Norman L. Cooper, CAAA:Nov 79:56

Higashionna, Ryokichi
The Impact of EIS Requirements of Hawaii's Transportation Programs, MGC:July 80:204

Higgins, Cornelius J.
High Explosive Simulation of Earthquake-Like Motions, with Roy L. Johnson, George E. Triandafilidis and David W. Steedman, EM81:Jan 81:126

Higgins, David T.
Unsteady Drawdown in 2-D Water Table Aquifer, IR3:Sept 80:237:15696

Hildreth, Richard G.
Legal Aspects of Coastal Natural Hazards Management, CZ80:Nov 80:1370

Hill, D. S.
Bottom Supported Terminal — Dravo Preload Concept, PO80:May 80:316

Hill, J. M.
See Donald Steven Graham, AS80:Aug 80:101

Hill, Lowell D.
The Logistics System for Grain Exports, Preprint No.80-667, Oct 80, 11pp.

Hills, David J.
Anaerobic Digestion of Cannery Tomato Solid Wastes, with Ronald S. Dykstra, EE2:Apr 80:257:15318
TR:145:676

Hilton, George W.
Dsc, UT79A:July 79:141, of "Efficiency Through Pricing in Urban Transportation", UT79A:July 79:120

Hilton, Ronald E.
Flood Emergency Evacuation Plans, HYUS:June 80:56
Flood Emergency Evacuation Plans, CZ80:Nov 80:1188

Hindy, Aly
Earthquake Response of Buried Insulated Pipes, with Milos Novak, EM6:Dec 80:1135:15886
Pipeline Response to Random Ground Motion, with Milos Novak, EM2:Apr 80:339:15308
TR:145:583

Hinkle, Jere J.
Transferability of Demand Estimation Procedures, TE4:July 80:369:15545

Hinkle, Robert D.
See Bing C. Yen, Preprint No.80-163, Apr 80, 22pp.

Hinnerichs, Terry D.
Viscoplasticity and Creep of Three-Bar Linkage, with Anthony N. Palazotto, TN: EM3:June 80:567:15448

Hinrichs, Daniel J.
Land Treatment Design Based on Long-Term Operation, with Richard Thomas, EE80:July 80:355

Hinrichs, Richard L.
See John C. Crittenden, EE80:July 80:274

Hinze, Jimmie
Current Equipment Practices of Utility Contractors, with W. Bradford Ashton, CO3:Sept 79:225:14816
TR:145:436
Human Aspects of Construction Safety, Preprint No.80-134, Apr 80, 22pp.
Supervisor-Worker Relationship Affects Injury Rate, with Francine Gordon, CO3:Sept 79:253:14848
TR:145:449
Turnover, New Workers, and Safety, CO4:Dec 78:409:14209
Dsc: Abdul Wahab Ahmed Rizk, CO4:Dec 79:403:15005
Clo: CO3:Sept 80:432:15661
TR:145:142

Hipel, Keith William
Hydrologic Generating Model Selection, with Edward A. McBean and Angus Ian McLeod, WR2:Sept 79:223:14817
TR:145:151
See Francoise D'Astous, EE5:Oct 79:979:14881
See John E. Praskey, WR1:Mar 80:61:15275

Hipolito, J.
See A. B. Almeida, HY10:Oct 79:1324:14868

Hiremath, Girish S.
See Rafik Y. Itani, EM4:Aug 80:739:15624

Hitch, Kenneth E.
Engineering-in-Traning Program: Alaska District, CoE, with Dale A. Nelson, Preprint No.80-621, Oct 80, 8pp.

Hixson, Norman G.
See Frank A. Grant, EE80:July 80:640

Hjeldnes, Erik I.
Cracking, Leakage, and Erosion of Earth Dam Materials, with Bhagwat V.K. Lavania, GT2:Feb 80:117:15220
TR:145:661

Hjelmfelt, Allen T., Jr.
Amazon Basin Hydrometeorology, HY6:June 78:887:13825
Dsc: Otto Pfafstetter, HY4:Apr 79:434:14472
Clo: HY12:Dec 79:1570
TR:145:68
Curve-Number Procedure as Infiltration Method, TN: HY6:June 80:1107:15449
Empirical Investigation of Curve Number Technique, HY9:Sept 80:1471:15693

Hjorth, Beverly E.
See Jean-Herve Prevost, Preprint No.80-574, Oct 80, 14pp.

Ho, Francis P.
See Vance A. Myers, HYUS:June 80:74

Hoar, Richard J.
See Kenneth H. Stokoe, II, GT10:Oct 79:1257:14867

Hobbs, Benjamin F.
Multiobjective Power Plant Siting Methods, EY2:Oct 80:187:15745
Dsc, EE4:Aug 79:794:14720, of "Environmental Optimization of Power Lines", EE4:Aug 78:675:13951

Hobbs, J. M.
See C. S. Watt, HY10:Oct 80:1627:15740

Hobbs, Roger E.
Soil Modulus and Longitudinal Pipeline Stresses, TE6:Nov 80:775:15831

Hobeika, Antoine G.
Diesel Fuel Forecasts in Virginia, with Frank Tamberrino, MGC:July 80:172
Virginia Vehicle-Related Revenue Forecasts, with Frank Tamberrino, Apisak Boonpuan and Harvey Goldstein, TE1:Jan 80:43:15143
TR:145:546

Hobson, Richard D.
Recent Geologic History of a Barrier Island, with Robert K. Schwartz and Frank R. Musialowski, CZ80:Nov 80:850
See Edward Meisburger, CZ80:Nov 80:810

Hodge, Philip G., Jr.
See David L. White, Preprint No.80-510, Oct 80, 14pp.

Hoek, Evert
Empirical Strength Criterion for Rock Masses, with Edwin T. Brown, GT9:Sept 80:1013:15715

Hoff, Bruce H.
See Edward J. Linky, CZ80:Nov 80:881

Hofflander, Tymen W.
Economic Analysis of Control Measures, CAAA:Nov 79:270

Hoffman, George R.
See Harry A. Niedzwaiadek, ASDC:80:359

Hoffman, John F.
European Dredging—A State of the Art, CZ80:Nov 80:1621

Hoffman, Ray D.
Craze-Yielding Structural Plastics: Toughness Measurement, TC2:Dec 79:271:15038
TR:145:424

Hogg, Susan E.
A Baseflow Simulation Model, with Anton G. Thompson and W. David Striffler, IRKB:July 80:755

Hohns, H. Murray
Dsc, EI1:Jan 79:48:14267, of "Productivity in the Construction Industry", EI1:Jan 78:49:13462
Dsc, CO3:Sept 80:434:15661, of "Proposed Construction Management Specification", CO4:Dec 79:367:15027

Hole, Stanley W.
Pipelines—Positioning and Survey Problems, SU1:Nov 79:15:14951
TR:145:496
Water Resources and Growth Management in South Florida, with Peter B. Rhoads, Preprint No.80-569, Oct 80, 9pp.

Holec, James M.
See Paul K. Dygert, UT79A:July 79:220

Holland, John
See Leonard Krazynski, SLS:June 80:683

Holland, John E.
The Behaviour and Design of Housing Slabs on Expansive Clays, with William G. Pitt, Charles E. Lawrance and Dominic J. Cimino, SLS:June 80:448
Dsc: Warren K. Wray, SLS:June 80:757
Seasonal Heave of Australian Clay Soils, with Charles E. Lawrance, SLS:June 80:302

Holland, Mason P.
See H. Randolph Thomas, Jr., CO4:Dec 80:455:15876
See H. Randolph Thomas, Jr., CO4:Dec 80:519:15879

Holley, Edward R.
Dsc, with Yuh Hua Tsai, HY7:July 80:1249:15512, of "Dispersion in Rivers as Related to Storage Zones", HY5:May 78:695:13758
See Yuh Hua Tsai, HY12:Dec 78:1617:14266
See Charles W. Almquist, HY7:July 80:1262:15512
See Yuh Hua Tsai, CE:Oct 80:150

Hollis, Charles W.
See Hubert Glenn T. Dunn, CZ80:Nov 80:2027

Holloway, David M.
Field Study of Pipe Driving Effects on Nearby Structures, with Yoshiharo Moriwaki, Edward C. Demsky, Bruce H. Moore and Jean Yves Perez, Preprint No.80-175, Apr 80, 38pp.

Holloway, Donald P.
Land Records Management In North Carolina, with Ronald F. Scott, SU80:June 80:33

Holly, Forrest M., Jr.
Accurate Calculation of Transport in Two Dimensions, with Alexandre Preissmann, HY11:Nov 77:1259:13336
Dsc: Karsten Fischer, HY6:June 78:945:13787; Adrianus Verwey and Odilie Daubert, HY7:July 78:1116:13856; Matiur Rahman, HY8:Aug 78:1207:13910; Clifford K. Forester, HY10:Oct 78:1466:14047; William G. Gray and Harry H. Mellon, HY10:Oct 78:1468:14047; Bram van Leer, HY11:Nov 78:1559:14117; Varuttamadhira Guvanasen, HY10:Oct 79:1317:14868
Clo: HY8:Aug 80:1401:15585
TR:145:17

Holmberg, Ake
Dsc, ST1:Jan 80:374:15098, of "Statistical Descriptions of Strength of Concrete", ST6:June 79:1021:14628

Holnicki-Szulc, Jan
Prestress of Truss and Frame Structures, ST3:Mar 79:601:14462
TR:145:229

Holstrom, Thomas Arthur
Particle Size Distribution Effects on Turbidity, with Richard H. Hawkins, IRKB:July 80:283

Holton, James W., Jr.
General Permits: Method of Criteria Development, CZ80:Nov 80:1026

Holtz, Neal M.
Using Design Specifications for Design, with Steven J. Fenves, CP80:June 80:92

Holtz, Robert D.
See Gerald A. Leonards, GT1:Jan 80:35:15144
See William G. Salomone, Preprint No.80-177, Apr 80, 14pp.

Holtz, W. G.
See D. R. Snethen, SLS:June 80:717

Holtz, Wesley G.
Public Awareness of Homes Built on Shrink-Swell Soils, SLS:June 80:617
Dsc, with Harold J. Gibbs, GT3:Mar 79:439:14401, of "SPT and Relative Density in Coarse Sands", GT11:Nov 77:1295:13350

Holzer, Siegfried M.
Finite Response of Inelastic RC Structures, with Arnold E. Somers, Jr. and Joel C. Bradshaw, ST1: Jan 79:17:14303
TR:145:138
Stability of Lattice Structures Under Combined Loads, with Raymond H. Plaut, Arnold E. Somers, Jr. and Willis S. White, III, EM2:Apr 80:289:15322
TR:145:607

Hooke, Roger LeB.
Dsc, HY7:July 80:1271:15512, of "Shear-Stress Distribution in Stable Channel Bends", HY10:Oct 79:1233:14898

Hooley, Roy
See Peter Graham Buckland, ST5:May 79:859:14557

Hooper, Ira
Dsc, ST10:Oct 79:2133:14869, of "LRFD Criteria for Steel Beam-Columns", ST9:Sept 78:1371:14016

Hooper, Olcott L.
Dsc, CE:June 80:40, on Energy Conservation: Long-Overlooked Cheap Source of Energy, CE:Dec 79: 77

Hopkins, Dyason
See Klaus Merensky, HY11:Nov 79:1415:14992

Hopp, Wallace J.
Wastewater Treatment Costs: Home Conservation Effects, with William P. Darby, Preprint No.80-098, Apr 80, 20pp.

Horikoshi, Kiyomi
See Kiyoshi Muto, EM81:Jan 81:917

Horn, Harry
See Sam Frydman, GT3:Mar 80:275:15289

Hornberger, George M.
See Franklin W. Ellis, HY9:Sept 80:1457:15711

Horne, E. Wiley
See Brian L. Ramaley, EE80:July 80:207
See Frank A. Grant, EE80:July 80:640

Horstman, H. Kirk
Eutrophication-Related Water Quality in Dillon Reservoir, with G. Fred Lee and R. Anne Jones, EE80:July 80:144
Dsc, Let's Promote Civils!, CE:Apr 80:30

Horton, Marc
See Sue Wenke, CZ80:Nov 80:2291

Horvath, Robert G.
Shaft Resistance of Rock-Socketed Drilled Piers, with T. Cameron Kenney, GTDF:80:182

Hoshi, Kiyoshi
Disaggregation of Streamflow Volumes, with Stephen J. Burges, HY1:Jan 79:27:14331
Dsc: David S. Bowles, HY1:Jan 80:217:15097
Clo: HY6:June 80:1127:15444
TR:145:201

Hossain, Aolad
Estimation of Direct Runoff from Urban Watersheds, with A. Ramachandra Rao and Jacques W. Delleur, HY2:Feb 78:169:13565
Dsc: Mordechai H. Diskin, HY8:Aug 80:1402: 15585
TR:144:250

Hostrop, Bernard W.
Federal Roles and Responsibilities In a Modernized Land Data System, SU80:June 80:27

Hotchkiss, Rollin H.
Coal Mining Effects on Western Groundwater Quality, with J. Paul Riley, IRKA:July 80:1

Hothem, Larry D.
Doppler Satellite Surveying System, with William E. Strange and Madeline White, SU1:Nov 78:79:14132
Errata: SU1:Nov 79:117:14937
TR:145:182

Hou, Cheng K.
See Conrad P. Heins, TN: ST6:June 80:1364:15451

Houlsby, Guy T.
Strain and Displacement Discontinuities in Soil, with C. Peter Wroth, EM4:Aug 80:753:15637

Housner, George W.
Seismic Design of Liquid Storage Tanks, with Medhat A. Haroun, Preprint No.80-085, Apr 80, 21pp.
See Ahmed M. Abdel-Ghaffar, EM5:Oct 78:983: 14065
See Medhat A. Haroun, EM81:Jan 81:346

Houston, Clyde
Awards for 1980 to be given this Month: Tipton Award, CE:Oct 80:150

Houston, James R.
Dsc, WW1:Feb 80:138:15163, of "Joint Occurrences in Coastal Flooding", WW2:May 79:107:14560

Houston, William N.
Undrained Cyclic Strength of Marine Soils, with Herbert G. Herrmann, GT6:June 80:691:15508
TR:145:732

Hover, Kenneth C.
Falsework Design for Concrete Structures, Preprint No.80-178, Apr 80, 30pp.

Hovey, Wendell H.
Activated Sludge Effluent Quality Distribution, with Edward D. Schroeder and George Tchobanoglous, EE5:Oct 79:819:14880
TR:145:463

Howard, Charles H.
Water Supply Forecasting in California - 1976-78, EFHYF:Mar 79:285

Howard, Elizabeth
See Paul L. Bishop, EE5:Oct 80:977:15760

Howard, John D.
Survey Control for I-205 Columbia River Bridge, Preprint No.80-058, Apr 80, 14pp.

Howard, William L.
Data Bases for Information Management, CP80:June 80:638

Howe, Richard S.
Dsc, CE:Dec 79:35, on Toxic Chemicals in New Jersey's Environment: Cancer Link?, CE:Sept 79:74

Howe, Stephen M.
See Tom K. Ryden, CAAA:Nov 79:169

Howell, Celia M.
See Richard B. Howell, MGC:July 80:208

Howell, Frank T.
Dsc, with Paul L. Jenkins, TE6:Nov 79:735:14938, of "Mini-Format Remote Sensing for Civil Engineering", TE6:Nov 78:847:14154

Howell, James O.
Interactive Graphics: Stage II Special Applications, with David F. Sinton, SU80:June 80:54

Howell, Richard B.
Environmental Planning for Transportation Systems, with Celia M. Howell, MGC:July 80:208

Howells, David H.
Urban Flood Management: Problems and Research Needs, WR2:Nov 77:193:13325
Dsc: Kon Chin, WR1:Nov 78:292:14121
Clo: WR2:Sept 79:437:14797
TR:145:39
Water Allocation and Management in the Southeast, WR2:Sept 79:259:14837
TR:145:173

Howson, W. Paul
See Frederic W. Williams, ST10:Oct 80:2125:15722

Hoydysh, Walter G.
Air Quality Modeling of A Sewage Treatment Plant, with Richard P. Barth, EE80:July 80:494

Hoyt, Paul
See Harry Ayer, IRKA:July 80:336

Hribar, John A
See John D. Mozer, Preprint No.80-593, Oct 80, 15pp.

Hsieh, M. C.
Slipforming of Heavily Reinforced Concrete Shield Building, with Jerome R. King, Preprint No.80-673, Oct 80, 15pp.

Hsieh, S. S.
A Plastic-Fracture Model for Concrete, with Edward C. Ting and Wai F. Chen, FIC:Oct 80:50

Hsieh, Steve
See Paul H. Wirsching, EM6:Dec 80:1265:15919

Hsiu, Frank J.
See Robert K. Wen, TN: ST12:Dec 77:2399:13385

Hsiung, Andrew K.
Chlorine Effect on Secondary Effluent Filtration, TN: EE3:June 80:649:15447

Hsiung, David E.
See Chao-Lin Chiu, HY8:Aug 78:1119:13963

Hsu, David
Transient Response of Long Structural Members, with Walter Pilkey, TN: EM4:Aug 80:836:15589

Hsu, Feng H.
See Kenneth G. Nolte, WW4:Nov 79:389:14963

Hsu, Sheng T.
Sediment Suspension in Turbulent Pipe Flow, with Andre van der Beken, Louis Landweber and John F. Kennedy, HY11:Nov 80:1783:15830

Hsu, Shih-Kuan
See Dominique N. Brocard, HYCO:Aug 80:154

Hsu, Tai-Dan
See Arthur R. Giaquinta, EY1:Apr 80:89:15319

Hsu, Thomas T.C.
Dsc, with C. S. Hwang, ST9:Sept 79:1858:14795, of "Torsion in Spandrel Beams", ST7:July 78:1061:13861

Hsu, Tzu-I
See Anand K. Singh, EM81:Jan 81:580

Hu, Walter W.
Water Surface Profile for Horseshoe Tunnel, TE2:Mar 80:133:15256
TR:145:573

Hu, Yi-Chin
Modeling for a Freight Transport Planning System, with Ralph D. Johnson, CP80:June 80:497

Hua, Li-Jen
See Conrad P. Heins, TN: ST11:Nov 80:2345:15792

Huang, C. P.
The Effect of Complex Formation on the Removal of Heavy Metals from Water and Wastewater, with A. R. Bowers, EE80:July 80:240

Huang, Horng-Te
See Natarajan Krishnamurthy, ST1:Jan 79:133:14294

Huang, Jerry Y.C.
Filter Backwashing by Ejector, EE5:Oct 79:915:14890
TR:145:495
See George E. Wilson, EE3:June 79:583:14619
See George E. Wilson, EE2:Apr 80:389:15358

Huang, Ju-Chang
Pretreatment of Sewage for Heavy Metal Removals, with Patrick M. McCole, EE80:July 80:236

Huang, Lin Y.
See S. B. Vora, CP80:June 80:604

Huang, Yang H.
Channel Routing by Finite Difference Method, HY10:Oct 78:1379:14088
Dsc: Roland K. Price, HY8:Aug 79:1049:14723; Victor Miguel Ponce and Steve Yabusaki, HY8:Aug 79:1050:14723
Clo: HY8:Aug 80:1406:15585
TR:145:141

Hubbard, Robert A.
Hong Kong Comprehensive Transport Study (Abstract), MGC:July 80:331
Singapore Mass Transit Study (Abstract), MGC:July 80:313

Hubbell, David W.
See Herbert H. Stevens, Jr., TN: HY4:Apr 80:611:15305

Huber, Wayne C.
See Philip B. Bedient, WR2:Nov 77:241:13326
See Philip B. Bedient, IR4:Dec 78:373:14249

Huck, Peter M.
Kinetic Model for Flocculation with Polymers, with Keith L. Murphy, EE4:Aug 78:767:13950
Dsc: Yerachmiel Argaman, EE4:Aug 79:792: 14270
Clo: EE2:Apr 80:454:15296
TR:145:79

Huckelbridge, Arthur A., Jr.
Awards for 1980 to be given this Month: Moisseiff Award, with Ray W. Clough, CE:Oct 80:146
Seismic Response of Uplifting Building Frame, with Ray W. Clough, ST8:Aug 78:1211:13974
TR:145:6

Hudgins, Robert R.
See J. Francisco Cordoba-Molina, EE6:Dec 78:1261: 14231

Hudson, Herbert E., Jr.
Dividing-Flow Manifolds with Square-Edged Laterals, with Robert B. Uhler and Robert W. Bailey, EE4:Aug 79:745:14764
Dsc: Jonathan A. French, EE3:June 80:675: 15441; John S. McNown, EE4:Aug 80:864: 15582
TR:145:445

Hudspeth, Robert T.
Digital Simulation of Nonlinear Random Waves, with Min-Chu Chen, WW1:Feb 79:67:14376
Errata: WW1:Feb 80:137:15163
TR:145:291
Efficient FFT Simulation of Digital Time Sequences, with Leon E. Borgman, EM2:Apr 79:223:14517
TR:145:247
Linear and Nonlinear Wave Action Estimates, with Larry S. Slotta, EM2:Apr 78:319:13695
Dsc: John R. Chaplin, EM2:Apr 79:348:14470
Clo: EM1:Feb 80:189:15159
TR:145:19
See Loring E. Hanson, HYCO:Aug 80:51

Hudspeth, Thomas R.
Urban Waterfront Revitalization Employing Visual Preference as a Strategy for Managing Visual Resources and Facilitating Public Participation, CZ80:Nov 80:33

Huey, S. E.
Dsc, TN: ST12:Dec 80:2582:15868, of "Biaxial Bending Simplified", TN: ST5:May 80:1198:15384

Hughes, Dallas
See Bruce P. McCammon, IRKB:July 80:252

Hughes, David
See Thomas Cackette, CAAA:Nov 79:76

Hughes, Trevor C.
Optimal Capacity of Municipal Water Supply Pumps, WR2:Sept 79:317:14846
TR:145:230

Hughes, William C.
Scour Velocities in Ephemeral Channels, HY9:Sept 80:1435:15701

Hugo, F.
See D. H. van der Merwe, SLS:June 80:361

Huie, W. Stell
Executive Summary, CRLS:Jan 79:II-1
Identification and Nature of Risks—A, CRLS:Jan 79: II-15

Huitric, Raymond L.
Moisture Retention of Landfilled Solid Wastes, with Sagar Raksit and Roger T. Haug, EE80:July 80:55
Dsc, EE5:Oct 80:1009:15717, of "Numerical Simulation of Gas Flow in Sanitary Landfills", EE5:Oct 79:927:14896

Hull, Cecil H.J.
Delaware River Basin Water Resources Management, WR1:Nov 78:157:14166
Errata: WR1:Mar 80:367:15228
TR:145:87

Hull, William J.
An Analysis of Inland Waterway Policy as It Relates to High Priority National Objectives, Preprint No.80-598, Oct 80, 17pp.

Hulmes, Leita J.
See Edward Meisburger, CZ80:Nov 80:810

Hulsey, J. Leroy
See Jack H. Emanuel, ST1:Jan 78:65:13474

Hulshizer, Allen J.
Blasting Vibration Limits on Freshly Placed (Green) Concrete, with Ashok J. Desai, Preprint No.80-661, Oct 80, 14pp.
Increased Productivity in Place Reinforcing in Reactor Containment Structures Through the Use of Scale Reinforcing Models, with Roger M. Mobley, Preprint No.80-662, Oct 80, 14pp.

Hulsman, Robert S.
Coal for Irrigation Pump Power, Preprint No.80-035, Apr 80, 15pp.

Humar, Jagmohan L.
Boundary Element Analysis Of Reservoir Vibration, with Youssef G. Hanna, EM81:Jan 81:461
Composite Beams under Cyclic Loading, ST10:Oct 79:1949:14897
TR:145:417

Humenik, Frank J.
See Larry F. Bliven, EE1:Feb 79:101:14343
See Fred A. Koehler, EE2:Apr 80:470:15296
See Fred A. Koehler, TN: EE3:June 80:655:15447

Humphrey, Thomas F.
Complying with the 1977 Clean Air Act in Boston, UP1:Nov 80:1:15817

Humphreys, Jack B.
Tort Liability and the Highway Engineer, HW80:Mar 80:249

Humphreys, Robert S.
See Conrad P. Heins, ST5:May 79:891:14587

Humphries, Stanley M.
Barrier Beach Protection in Massachusetts, with Jeffrey R. Benoit, CZ80:Nov 80:1809

Hung, Che S.
Statistical Analysis of Sediment Motions on Dunes, with Hsieh Wen Shen, HY3:Mar 79:213:14438
Dsc: Hiroji Nakagawa and Tetsuro Tsujimoto, HY1:Jan 80:221:15097; Subhash Chander, Arun Kumar and Sushil K. Goyal, HY3:Mar 80:466: 15225
TR:145:236

Hunt, Bruce
Dsc, HY3:Mar 79:285:14402, of "Two-Dimensional Plume in Uniform Ground-Water Flow", HY4:Apr 78:503:13665

Hunt, Hal W.
Driven Piling in the Northwest, with Edward J. Stuber, Preprint No.80-125, Apr 80, 17pp.

Hunt, Harvison
Improving Performance in Rapid Transit Systems, TE4:July 79:393:14710
TR:145:339

Hunt, John N.
Direct Solution of Wave Dispersion Equation, TN: WW4:Nov 79:457:14944
Dsc: Ian R. Young and Rodney J. Sobey, TN: WW4:Nov 80:499:15789; Giulio Venezian, TN: WW4:Nov 80:501:15789
Second-Order Standing Waves Bounded by Circular Cylinders, with Rafik E. Baddour, TN: WW1:Feb 80:122:15166
Dsc: Richard W.P. May, TN: WW4:Nov 80:507: 15789

Hunt, Timothy F., Jr.
Comprehensive Solid Waste Plan — Palm Beach County, Preprint No.80-628, Oct 80, 7pp.

Hunter, Rouse
Awards for 1980 to be given this Month: History & Heritage, CE:Oct 80:148

Husain, Syed I.
See Donald E. Arthur, Preprint No.80-568, Oct 80, 14pp.

Husain, Tahir
See William F. Caselton, WR2:July 80:503:15572

Hussain, Altaf
Construction Productivity Factors, EI4:Oct 79:189: 14879
Dsc: Abdul Wahab Ahmed Rizk, EI3:July 80:324: 15510
TR:145:368
Recruiting in Underdeveloped Countries, EI4:Oct 79: 183:14878
Dsc: A. I.B. Pengiran Damit, EI4:Oct 80:425: 15718
TR:145:356

Hustad, Paul A., Aff.
See Patrick M. Goeke, GTDF:80:149

Huston, John
Engineers on the Witness Stand: Guidelines for Expert Testimony, CE:Feb 79:82
Dsc: Logan L. Donnel, CE:Mar 80:41
TR:145:107

Hutzler, Neil J.
Wastewater Risk Assessment, with William C. Boyle, EE5:Oct 80:919:15748

Hwang, C. S.
See Thomas T.C. Hsu, ST9:Sept 79:1858:14795

Hwang, Li San
See Michael H. Chen, HYUS:June 80:195

Hynson, James R.
See Paul R. Adamus, CZ80:Nov 80:160

Iacobelli, R. Fred
The Arizona Inspection/Maintenance Program, CAAA:Nov 79:95

Ibanez, Paul
See Ken Blakely, EM81:Jan 81:846

Ibrahim, Ibrahim M.
Finite Strip Laminated Sandwich Roof Analysis, with Gerard R. Monforton, ST5:May 79:905:14594
TR:145:280

Ibrahim, Moheeb E.
See John O. Surtees, ST2:Feb 80:477:15195

Idelovitch, Emanuel
Environmental Effects of Water Reuse Scheme, EE3: June 80:561:15466
TR:145:719

Iding, Robert
See Joseph M. Plecnik, ST1:Jan 80:99:15141
See Boris Bresler, Preprint No.80-595, Oct 80, 13pp.

Idriss, Izzat M.
Nonlinear Behavior of Soft Clays during Cyclic Loading, with Ricardo Dobry and Ram D. Singh, GT12:Dec 78:1427:14265
Dsc: Adel S. Saada, Louise Palmer Shook and Gary F. Bianchini, GT10:Oct 79:1268:14867
TR:145:222

Idso, S. B.
See R. D. Jackson, IRKA:July 80:390

Ife, D. M.
Evaporation Basin Study at Boundary Bend, ASDC: 80:144

Iffland, Jerome S.B.
Folded Plate Structures, ST1:Jan 79:111:14300
Dsc: Narayanan Subramanian, ST5:May 80:1226: 15380
TR:145:137
High Rise Building Column Design, ST9:Sept 78: 1469:14027
Dsc: John Springfield, ST9:Sept 79:1867:14795
Errata: ST6:June 79:1224:14602
TR:145:97
See Charles Birnstiel, ST2:Feb 80:491:15196

Imberger, Jorg
See Bob Hebbert, HY5:May 79:533:14593

Imbsen, Roy A.
Increase Seismic Resistance Of Highway Bridges Using Improved Bearing Design concepts, with Richard V. Nutt, EM81:Jan 81:416

Ince, Simon
See Mordechai H. Diskin, HY2:Feb 78:261:13569

Indlekofer, Horst
See Victor Miguel Ponce, HY7:July 78:947:13890
See Victor Miguel Ponce, HY4:Apr 79:351:14493

Ingardia, Michael P.
The Computer Service Bureau: What Role Today?, CE:Apr 79:76
TR:145:199

Ingersoll, Alfred C.
Engineering Management—University Extension, EI2:Apr 80:89:15352
TR:145:565

Ingold, Terrence S.
Retainining Wall Performance during Backfilling, GT5:May 79:613:14580
Dsc: R. T. Murray, GT9:Sept 80:1062:15662
Clo: GT9:Sept 80:1066:15662
TR:145:405

Ingram, John J.
Chemical Transfer into Overland Flow, with David A. Woolhiser, IRKB:July 80:40
See Bobby J. Brown, HYCO:Aug 80:240

Inman, John C.
See James A. Ayars, IRKB:July 80:974

Inman, Robert R.
See George W. Tauxe, WR1:Mar 80:225:15240

Inoue, Yoriteru
See Sadataka Shiba, EE6:Dec 79:1113:15045

Irvine, Robert L.
See Edward D. Schroeder, EE2:Apr 79:217:14516

Irwin, George R.
See John W. Fisher, ST4:Apr 80:773:15343

Irwin, Ross W.
Friction Factors for Corrugated Plastic Drainage Pipe, with Jiri Motycka, IR1:Mar 79:29:14424
TR:145:147

Isaacs, Lewis T.
Linear Theory Methods for Pipe Network Analysis, with Kevin G. Mills, HY7:July 80:1191:15559

Isaacson, Michael de St.Q.
Nonlinear Inertia Forces on Bodies, WW3:Aug 79:213:14743
TR:145:407
Vertical Cylinders of Arbitrary Section in Waves, WW3:Aug 78:309:13973
Dsc: Subrata K. Chakrabarti, WW2:May 79:208:14553; Iyyanki V. Muralikrishna, WW3:Aug 79:339:14725
Clo: WW2:May 80:295:15382
TR:145:163
Wave Dampening Due to Rubblemound Breakwaters, WW4:Nov 78:391:14178
Errata: WW2:May 79:210:14553
Errata: WW4:Nov 79:484:14940
TR:145:181
Wave Runup around Large Circular Cylinder, WW1:Feb 78:69:13563
Dsc: Subrata K. Chakrabarti, WW1:Feb 79:100:14357
Clo: WW4:Nov 79:477:14940
TR:145:62

Isaak, Elmer
Pile Field Support Prefabricated Plants Floated into Place, with Sidney Johnson, CE:Jan 80:61
Dsc: Philip F. Moyer, CE:June 80:48
TR:145:543

Ishikawa, Kiyoshi
See Bennosuke Tanimoto, ST12:Dec 79:2725:15090

Ishikawa, Tadaharu
See Hideo Kikkawa, HY7:July 78:1045:13895

Ishizaki, Hatsuo
Some Wind Characteristics of Typhoons and Tatsumaki, Preprint No.80-604, Oct 80, 7pp.

Islam, M. Anwarul
Tapering I-Section Frames, with David Anderson, TN: ST6:June 80:1367:15451

Ismael, Nabil F.
Behavior of Rigid Piers in Layered Cohesive Soils, with Tony W. Klym, GT8:Aug 78:1061:13969
Dsc: Yasuo Tanaka, GT8:Aug 79:995:14722
Clo: GT4:Apr 80:477:15300
TR:145:165
Uplift and Bearing Capacity of Short Piers in Sand, with Tony W. Klym, GT5:May 79:579:14568
Dsc: Fred H. Kulhawy, GT6:June 80:741:15443; Joe O. Akinmusuru, GT6:June 80:743:15443
Clo: GT6:June 80:744:15443
TR:145:382

Isu, Emmanuel Oko
See Chao-Lin Chiu, HY9:Sept 78:1257:13991

Itakura, Tadaoki
Open Channel Flow with Suspended Sediments, with Tsutomu Kishi, HY8:Aug 80:1325:15650

Itani, Rafik Y.
Elasto-Plastic Torsion of Axisymmetric Bars, EM1:Feb 79:1:14367
TR:145:156
Partial Composite Action in Diaphragms, with Girish S. Hiremath, EM4:Aug 80:739:15624

Ito, Tomio
See Tamotsu Matsui, GT2:Feb 80:137:15221
See Tamotsu Matsui, GT10:Oct 80:1101:15776

Itoh, Yoshito
See Yuhshi Fukumoto, ST1:Jan 80:165:15142

Ivanyi, G.
Dsc, with M. Teutsch, ST1:Jan 80:361:15098, of "Postcracking Compliance Analysis of RC Beams", ST1:Jan 79:35:14304

Iversen, James D.
Drifting Snow Similitude, HY6:June 79:737:14647
Dsc: Christopher James Baker, HY2:Feb 80:349:15161
Clo: HY9:Sept 80:1540:15663
TR:145:355

Iwakiri, Jun
See Roy A. Bell, GT2:Feb 80:153:15219

Iwan, Wilfred D.
Estimating Earthquake Response of Simple Hysteretic Structures, with Nathan C. Gates, EM3:June 79:391:14644
TR:145:282

Iwankiw, Nestor R.
Thermal Effects on Load Capacity of Concrete Slabs, ST7:July 79:1417:14667
TR:145:319

Iyengar, N. G.R.
See Sudhakar Sharma, EM1:Feb 80:161:15208

Iyer, Nagesh R.
See Tamirisa V.S.R. Appa Rao, ST10:Oct 80:2122:15722
See Krishnaiyengar Rajagopalan, ST12:Dec 80:2571:15868

Jackson, Donald R.
Dsc, HY7:July 80:1267:15512, of "Flood Flow Frequency by SCS-TR-20 Computer Program", HY9:Sept 79:1123:14818

Jackson, J. O.
See Roger Foott, GT3:Mar 80:219:15288

Jackson, John G., Jr.
Loading Rate Effects on Compressibility of Sand, with John Q. Ehrgott and Behzad Rohani, GT8:Aug 80:839:15640

Jackson, R. D.
Remotely Sensed Crop Temperatures and Reflectances as Inputs to Irrigation Scheduling, with S. B. Idso, R. J. Reginato and P. J. Pinter, Jr., IRKA:July 80:390

Jackson, Rosco G.
Dsc, HY8:Aug 79:1046:14723, of "Fluid Dynamic Lift on a Bed Particle", HY8:Aug 78:1171:13976

Jackson, Thomas J.
Profile Soil Moisture from Surface Measurements, IR2:June 80:81:15474
TR:145:699
See Robert M. Ragan, HY5:May 80:667:15387
See Walter J. Rawls, IRKB:July 80:356

Jacober, Robert P., Jr.
Map Content and Symbols: Chapter V of Proposed Manual on Map Uses, Scales, and Accuracies for Engineering and Associated Purposes, SU1:Nov 80: 41:15851
A Standard for Symbology on Engineering Scale Maps, Preprint No.80-060, Apr 80, 8pp.

Jacoby, Henry J.
Summary Session—B, CRLS:Jan 79:II-178

Jacques, R. B.
A Marine Terminal for Exportation of Slurried Coal, with P. K. Johnson, PO80:May 80:32

Jaeggi, Martin N.R.
Dsc, HY11:Nov 79:1458:14935, of "Flow Resistance of Large-Scale Roughness", HY12:Dec 78:1587: 14239
Dsc, HY1:Jan 80:230:15097, of "Steepness of Sedimentary Dunes", HY4:Apr 79:381:14502

Jain, Akalank K.
Air Entrainment in Radial Flow Towards Intakes, with Kittur G. Ranga Raju and Ramachandra J. Garde, HY9:Sept 78:1323:14038
Dsc: Subhash C. Mehrotra, HY4:Apr 79:441: 14472; Sritharan Subramaniaiyer, HY5:May 79: 635:14550; Fred W. Blaisdell, HY10:Oct 79: 1326:14868
Clo: HY9:Sept 80:1527:15663
TR:145:132
Vortex Formation at Vertical Pipe Intakes, with Kittur G. Ranga Raju and Ramachandra J. Garde, HY10:Oct 78:1429:14104
Dsc: Michael B. Amphlett, HY10:Oct 79:1328: 14868; George G. Hebaus, HY10:Oct 79:1330: 14868; Fred W. Blaisdell, HY10:Oct 79:1333: 14768; Holenarasipur Y. Rajagopal, HY1:Jan 80:211:15097
Clo: HY9:Sept 80:1528:15663
TR:145:144

Jain, Ashok K.
Hysteretic Cycles of Axially Loaded Steel Members, with Subhash C. Goel and Robert D. Hanson, ST8: Aug 80:1777:15607
Seismic Response of Eccentrically Braced Frames, with Subhash C. Goel, ST4:Apr 80:843:15338
TR:145:628
Dsc, with Subhash C. Goel and Robert D. Hanson, ST3:Mar 79:687:14404, of "Eccentrically Braced Steel Frames for Earthquakes", ST3:Mar 78:391: 13619
Dsc, ST11:Nov 79:2480:14936, of "Model for Mild Steel in Inelastic Frame Analysis", ST1:Jan 79:199: 14333
Dsc, with Anand S. Arya, ST11:Nov 80:2355:15785, of "Wind Damage Observations and Implications", ST11:Nov 79:2279:14980

Jain, Subhash C.
Density Currents in Sidearms of Cooling Ponds, EY1:Apr 80:9:15320
TR:145:517
Scour Around Bridge Piers at High Flow Velocities, with Edward E. Fischer, HY11:Nov 80:1827:15845
Dsc, HY11:Nov 79:1470:14935, of "Effective Depth in Channels Having Bed Undulations", HY1:Jan 79: 67:14336
Dsc, HY11:Nov 80:1953:15784, of "Aggradation in Streams Due to Overloading", HY1:Jan 80:117: 15147
See V. Balasubramanian, EE4:Aug 78:717:13943
See Bruce McEnroe, EY1:Apr 80:33:15349

James, Arthur M.
A Comparison of Circular Prestressing Techniques, Including Values for Friction Over Rollers, Preprint No.80-078, Apr 80, 11pp.

James, L. Douglas
Economics and Water Resources Planning in America, with Jerry R. Rogers, WR1:Mar 79:47: 14427
Dsc: David A. Bella, WR1:Mar 80:370:15228
TR:145:101
Planning For User Oriented Hydrologic Forecasts, EFHYF:Mar 79:101
Session II—Economic Aspects of Hydrologic Forecasting, EFHYF:Mar 79:417
See Roy F. Powell, WR1:Mar 80:103:15243

James, Stephen M.
See Ralph G. Scott, Jr., IRKB:July 80:406

James, William
Power from Waves Using Harbor Resonators, WW1: Feb 80:99:15210
TR:145:711

Janes, Eric B.
See R. Gordon Bentley, IRKB:July 80:69

Jang, Shih-Zong
See Alfred G. Bishara, ST7:July 80:1423:15522

Janssen, John G.
In House Preprocessors for ICES STRUDL, with Edward T. Manning, Jr., CP80:June 80:670

Jaria, Victor
Sum of Independent Gamma Live Loads Model, with Ross B. Corotis, TN: ST8:Aug 79:1701:14730
Dsc: Karl Breitung and Rudiger Rackwitz, TN: ST7:July 80:1663:15513
See Ross B. Corotis, ST3:Mar 79:493:14441

Jaspar, Dorsey E.
See George E. Conant, TE2:Mar 79:141:14451

Jauffred, Francisco J.
See Rodolofo Felix Valdes, MGC:July 80:378

Jeary, Alan P.
Vibration Test Of Structures At Varied Amplitudes, with Brian R. Ellis, EM81:Jan 81:281
See Peter R. Sparks, EM81:Jan 81:189

Jeffrey, Paul K.
See Natarajan Krishnamurthy, ST1:Jan 79:133:14294

Jeffries, M. M.E.
Application of a Graphics-Oriented Building Design System, with M. R. Dyer, CP80:June 80:16

Jehle, W. A.
See A. Paolillo, EE80:July 80:406

Jelesnianski, Chester P.
Tropical Storm Surge Forecasting in the National Weather Service, EFHYF:Mar 79:65

Jellico, John P.
Summary Session—C, CRLS:Jan 79:II-184

Jen, Yuan
Wave Force Analysis: An Alternate Procedure, TN: WW1:Feb 80:117:15166

Jenes, Frank G.
Day-to-Day Management of Large Engineering Projects and Consortiums, with Rodney D. Stroope, Preprint No.80-171, Apr 80, 21pp.
Day-to-Day Management of Large Engineering Projects, with Rodney D. Stroope, EI4:Oct 80:327:15735

Jenkins, Paul L.
See Frank T. Howell, TE6:Nov 79:735:14938

Jenkins, Thomas F.
See C. James Martel, EE80:July 80:114
See Antonio J. Palazzo, EE80:July 80:347

Jenks, James S.
North City West Drainage Investigation, with Thomas C. MacDonald and Robert B. Ebert, HYUS:June 80:405

Jennet, Charles J.
Energy, The Environment and the Future—Are Civil Engineers Going to Get Involved?, Preprint No.80-669, Oct 80, 5pp.

Jennings, Marshall E.
Dsc, EE1:Feb 80:245:15158, of "Stormwater Analysis and Prediction in Houston", EE6:Dec 78:1087:14237
See Jeffrey E. Miller, EE4:Aug 79:641:14748

Jensen, H. Gordon
See Jun Wai Lee, Preprint No.80-006, Apr 80, 22pp.

Jensen, Jack L.
Improved Local Resource Allocation, UT79A:July 79:179
Dsc: Donald A. Morin, UT79A:July 79:185; Daniel Brand, UT79A:July 79:187; Marilyn Skolnick, UT79A:July 79:194; Arun Chatterjee, UT79A:July 79:197; C. Michael Walton, UT79A:July 79:199

Jensen, Jesper F.
See Mikael W. Braestrup, ST3:Mar 79:690:14404

Jensen, Peder
Dsc, HY9:Sept 80:1547:15663, of "Interfacial Stability in Channel Flow", HY8:Aug 79:955:14768

Jeppson, Roland W.
Composite Water Movement in a Sloping Phosphate Mine Dump, with Eugene E. Farmer, IRKB:July 80:855

Jerath, Navin
See Firdaus E. Udwadia, EM1:Feb 80:111:15200

Jerath, Sukhvarsh
Stress Analysis of Bins by Shell Bending Theory, with Arthur P. Boresi, ST6:June 79:1069:14632
TR:145:295

Jester, Norman J.
METRORAIL: Computer Simulation in Design, Preprint No.80-626, Oct 80, 9pp.

Jettmar, R. Uwe
Dynamic Water Quality Modeling in Southeast Florida, with George K. Young, Armando I. Perez and Robert Oros, EE1:Feb 80:105:15173
TR:145:616

Jewell, Thomas K.
Methodology for Calibrating Stormwater Models, with Thomas J. Nunno and Donald Dean Adrian, EE3:June 78:485:13812
Dsc: Jiri Marsalek, EE2:Apr 79:431:14468
Clo: EE6:Dec 79:1185:15006
TR:145:54

Jimeson, Robert M.
Are Environmental Regulations Attaining a Realistic Balance among Energy and Environmental Goals, with Robert Kane, EE1:Feb 79:121:14389
TR:145:235

Jiminez, Rafael
See Richard N. White, Preprint No.80-115, Apr 80, 19pp.

Jirka, Gerhard H.
Cooling Impoundments: Classification and Analysis, with Donald R.F. Harleman, EY2:Aug 79:291:14779
TR:145:439
Steady-State Estimation of Cooling Pond Performance, with Masataka Watanabe, TN: HY6:June 80:1116:15449
Thermal Structure of Cooling Ponds, HY5:May 80:701:15412
TR:145:681
Dsc, HY12:Dec 79:1573:15009, of "Line Plume and Ocean Outfall Dispersion", HY4:Apr 79:313:14488
See Joseph H.W. Lee, EE4:Aug 79:790:14720
See Joseph H.W. Lee, HY10:Oct 79:1219:14929

Jobson, Harvey E.
Chattahoochee River Thermal Alterations, with Larry F. Land and Robert E. Faye, HY4:Apr 79:295:14499
TR:145:266
Dsc, HY9:Sept 78:1367:13979, of "Statistical Properties of Sediment Bed Profiles", HY11:Nov 77:1303:13348
See Larry F. Land, TN: HY8:Aug 80:1389:15590

Joeres, Erhard F.
See J. Jeffrey Peirce, WR1:Mar 80:81:15246
See J. Jeffrey Peirce, WR2:July 80:427:15557

Johnson, Clifton W.
Watershed Management in Action on the Boise Front, with Glen M. Secrist, Gerald C. Scholten and Robert J. Baum, IRKB:July 80:998

Johnson, David E.
Storm Drainage and the Building Community, Preprint No.80-512, Oct 80, 9pp.

Johnson, F. Allan
Weir and Flume Calibration by Pondage Drawdown, with Christopher S. Green, HY11:Nov 80:1903:15847

Johnson, Gene O.
Landsat for Engineering Geology, Preprint No.80-103, Apr 80, 6pp.

Johnson, Howard P.
See Rameshwar S. Kanwar, IR1:Mar 79:45:14458

Johnson, James J.
Earthquake Response of Nuclear Power Facilities, with Robert P. Kennedy, EY1:Jan 79:15:14296

TR:145:175

Johnson, James R.
Reclamation of Abandoned Mine Site, EE3:June 79: 597:14629
TR:145:396

Johnson, Lawrence D.
Field Test Sections on Expansive Soils, SLS:June 80: 262

Johnson, LeLand L.
See Walter S. Baer, CE:Mar 79:53

Johnson, Lynn E.
See Peter N. French, WR1:Mar 80:21:15235

Johnson, M. G.
Allocation of Risks—A, CRLS:Jan 79:II-53

Johnson, Nancy J.
Dsc, UP1:Jan 79:84:14273, of "Principles of Public Involvement", UP1:May 78:1:13728

Johnson, P. K.
See R. B. Jacques, PO80:May 80:32

Johnson, Ralph D.
See Yi-Chin Hu, CP80:June 80:497

Johnson, Robert L.
See Joel L. Caves, HYCO:Aug 80:281

Johnson, Robert P.
Physical Hydraulic Model Study of an Ice-Covered River, with Thomas V. Kotras, HYCO:Aug 80:431

Johnson, Robert U.
See Michael J. O'Rourke, CP80:June 80:450

Johnson, Roy C., Jr.
See George E. Ramey, ST9:Sept 80:1867:15679

Johnson, Roy L.
See Cornelius J. Higgins, EM81:Jan 81:126

Johnson, Sidney
See Elmer Isaak, CE:Jan 80:61

Johnson, Stanley J.
Dsc, GT5:May 79:691:14549, of "Factors Affecting Liquefaction and Cyclic Mobility", GT6:June 77: 501:12994

Johnson, Thaddeus C.
See Edwin J. Chamberlain, GT2:Feb 79:257:14398

Johnson, Thomas M.
See Keros Cartwright, Preprint No.80-624, Oct 80, 5pp.

Johnson, Wendell E.
Award for 1980 to be given this Month: Rickey Medal, CE:Oct 80:152
Inspecting Dam Construction, CE:Nov 80:50

Johnson, William K.
Attitude, Guidelines, and Technology in Plan Formulation, EFHYF:Mar 79:342

Johnston, Donald R.
C A D A E (Computer Aided Design & Engineering), SU80:June 80:193

Johnstone, Don
Dsc, CE:Jan 80:30, on Energy From Space, CE:July 79:53

Jokerst, Ronald W.
See John A. Youngquist, ST7:July 79:1405:14673

Jonatowski, Jean-Jacques
User Conveniences in Application Programs, TC1: Apr 79:43:14489
TR:145:148

Jonatowski, John J.
See Charles Birnstiel, Preprint No.80-080, Apr 80, 22pp.

Jones, C. R.C.
Dsc, IR1:Mar 80:74:15226, of "Storage Coefficients from Ground-Water Maps", IR2:June 79:205:14658

Jones, D. Earl, Jr.
Locally Important Economic Considerations in Flooding and Flood Plain Management, EFHYF: Mar 79:352
See Roy F. Powell, WR1:Mar 80:103:15243

Jones, Edwin
Evaluation of Specification of Questionnaire Returns, CO2:June 80:169:15492
TR:145:692

Jones, Frank A., Jr.
Installation Restoration—An Army Initiative, with Donald K. Emig and John P. Glennon, EE80:July 80:571

Jones, James M., II
See Harry F. Hardin, CP80:June 80:10

Jones, John S.
Temporary Tunnel Support by Artificial Ground Freezing, with Ralph E. Brown, GT10:Oct 78:1257: 14108
Dsc: Chandra S. Brahma, GT10:Oct 79:1260: 14867
TR:145:195

Jones, Lisa D.
See Richard G. Luthy, TN: EE4:Aug 80:847:15588

Jones, Michael L.
Sedimentation Control During Site Development, with Clyde B. Tatum, CO1:Mar 80:17:15236
TR:145:584

Jones, Neal X.
Application of MIS for Transportation Agencies, CP80:June 80:379

Jones, R. Anne
See H. Kirk Horstman, EE80:July 80:144

Jones, Russel C.
Impact of a Collective Bargaining Contract, EI3:July 80:241:15560

Jones, Stephen W.
Influence of Semi-Rigid Joints on Steel Column Behavior, with Patrick A. Kirby and David A. Nethercot, Preprint No.80-179, Apr 80, 22pp.

Jones, W. Linwood
Satellite Microwave Remote Sensing of Hurricanes, with Peter G. Black and John C. Wilkerson, Preprint No.80-642, Oct 80, 14pp.

Jones, Walter V.
See Clair A. Waite, Preprint No.80-127, Apr 80, 21pp.

Jones, Wesley D.
See Chenchayya T. Bathala, EE6:Dec 79:1049:15082

Jonsson, Ivar G.
Dsc, WW3:Aug 80:423:15587, of "Sand Bed Friction Factors for Oscillatory Flows", WW3:Aug 79:229:14754

Jordaan, Ian J.
Dsc, EM4:Aug 79:725:14721, of "Viscoelasticity of Solidifying Porous Material—Concrete", EM6:Dec 77:1049:13432

Jordan, Joseph L.
See Lewis L. Oriard, CO1:Mar 80:37:15252

Jordan, Mark H.
See Marshall A. Ames, Preprint No.80-174, Apr 80, 11pp.

Jorgensen, Mary A.
See Raymond N.Y. Yong, GT10:Oct 79:1193:14903

Joseph, Carlton H.
Port Energy Conservation, PO80:May 80:89

Joseph, Irving
See Peter K. Su, HY2:Feb 80:269:15183

Joseph, Leonard M.
See Daniel A. Cuoco, Preprint No.80-144, Apr 80, 16pp.

Joseph, Thomas P.
Vibrations of Curved Spans for Mass Transit, with James F. Wilson, EM2:Apr 80:255:15361
TR:145:647

Joshi, Bharat B.
Structural Analyses and Tests of Portable Mast, with Chandrahas S. Gurujee, ST2:Feb 79:437:14399
TR:145:199

Joshi, R. P.
Lateral Pressure Development Under Surcharges, with R. K. Katti, SLS:June 80:227

Joyce, R. P.
See Anatole Longinow, Preprint No.80-083, Apr 80, 24pp.

Joyner, William B.
Dsc, with Albert T.F. Chen, GT1:Jan 79:121:14269, of "Seismic Site Response of Nonlinear Soil Media", GT3:Mar 78:369:13597

Julian, R. W.
See Billy E. Martin, EFHYF:Mar 79:84

Juneja, Narendra
A Planning Procedure for the East Everglades, CZ80:Nov 80:1574

Junker, Donald J.
See Gary D. Bates, Preprint No.80-533, Oct 80, 10pp.

Junkins, D. Randy
A Systematic Approach to Landfill Evaluation, with Michael H. Corbin, EE80:July 80:50

Jurinak, Jerome J.
See J. Paul Riley, IR4:Dec 79:419:15023

Jury, W. A., Jr.
Reuse of Power Plant Effluent for Crop Production, with H. J. Vaux and L. H. Stolzy, IRKA:July 80:188

Just, David J.
Torsion of Solid and Hollow Rectangular Beams, with William J. Walley, ST9:Sept 79:1789:14845
TR:145:400

Kachanov, Mark
Continuum Model of Medium with Cracks, EM5:Oct 80:1039:15750

Kaderabek, Thomas J.
Dsc, GT10:Oct 80:1170:15720, of "Treatment of Peaty Clay by High Energy Impact", GT8:Aug 79:957:14787
See Richard T. Reynolds, Preprint No.80-546, Oct 80, 17pp.

Kagawa, Takaaki
Seismic Responses of Flexible Piles, with Leland M. Kraft, Jr., GT8:Aug 80:899:15656

Kahn, Lawrence F.
Awards for 1980 to be given this Month: Reese Prize, with Robert D. Hanson, CE:Oct 80:147
Infilled Walls for Earthquake Strengthening, with Robert D. Hanson, ST2:Feb 79:283:14364
Dsc: Richard E. Klingner, ST11:Nov 79:2485:14936; Te-Chang Liauw, ST1:Jan 80:364:15098
Clo: ST9:Sept 80:1990:15665
TR:145:7

Kaiserlik, Joseph H.
Dsc, with Alan D. Freas, TN: ST10:Oct 78:1687:14048, of "Modulus of Elasticity of Timber Members", TN: ST12:Dec 77:2399:13385

Kaleli, Fevzi
See James G.A. Croll, EM5:Oct 79:761:14895

Kalinske, Anton A.
Dsc, HY4:Apr 79:437:14472, of "Fluid Dynamic Lift on a Bed Particle", HY8:Aug 78:1171:13976

Kalyanaraman, Venkatakrishnan
Local Buckling of Cold-Formed Steel Members, ST5:May 79:813:14578
TR:145:261

Kamedulski, George E.
See Gregory L. Shahabian, EE80:July 80:480

Kamedulski, Gregory E.
Evaluation of Alternative Stormwater Detention Policies, with Richard H. McCuen, WR2:Sept 79:171:14806
Dsc: William Whipple, Jr., WR2:July 80:568:15515
TR:145:116
Stormwater and Lake Quality Management—Two Examples, with Richard F. Thomas, HYUS:June 80:303

Kameshwar Roa, N. S.V.
See Bharat Bhushan Prasad, TN: EM1:Feb 80:179:15164

Kameswara Rao, Chavali V.S.
Creep Strain Accumulation Under Random Loading, TN: EM6:Dec 78:1457:14198
Errata: TN: EM1:Feb 80:190:15159

Kamgar, A. A.
See W. O. Pruitt, IRKA:July 80:346

Kana, Daniel D.
Dsc, EM3:June 80:577:15442, of "Earthquake Sloshing in Annular and Cylindrical Tanks", EM3:June 79:371:14643

Kanafani, Adib
Price Elasticities of Nonbusiness Air Travel Demand, TE2:Mar 80:217:15294
TR:145:617

Kane, Anthony R.
Dsc, UT79A:July 79:138, of "Efficiency Through Pricing in Urban Transportation", UT79A:July 79:120

Kane, James
See Lawrence L. Durocher, TN: ST2:Feb 79:447:14351

Kane, Robert
See Robert M. Jimeson, EE1:Feb 79:121:14389

Kang, Young-Jin
Nonlinear Analysis of Prestressed Concrete Frames, with Alexander C. Scordelis, ST2:Feb 80:445:15191
TR:145:589

Kangas, Patrick C.
See Flora C. Wang, WR2:July 80:451:15558

Kantey, Basil A.
Some Secrets to Building Structures on Expansive Soils, CE:Dec 80:53

Kanwar, Rameshwar S.
Nonsteady Flow to Nonpenetrating Well, with Howard P. Johnson and Herandra S. Chauhan, IR1:Mar 79:45:14458
TR:145:245

Kao, Timothy W.
See Sung C. Ling, EM6:Dec 80:1327:15923

Kao, Tsung C.
See James K. Mitchell, GT10:Oct 78:1307:14080

Kaplan, M.
Simulation for Port Design and Operations, with R. C. Wentworth, PO80:May 80:269

Kar, Anil K.
Impactive Effects of Tornado Missiles and Aircraft, ST11:Nov 79:2243:14968
TR:145:450
Local Effects of Tornado-Generated Missiles, ST5:May 78:809:13775
Dsc: Raymond M.L. Ting, ST3:Mar 79:691:14404; John J. Healey and Samuel Weissman, ST6:June 79:1212:14602
Clo: ST1:Jan 80:354:15098
TR:145:54
Projectile Penetration into Steel, ST10:Oct 79:1871:14874
TR:145:407
Seismic Support: Speedy Determination of Frequency, ST7:July 79:1289:14672
Errata: ST9:Sept 80:1999:15665
TR:145:332
Dsc, EM6:Dec 78:1466:14193, of "Penetration of Projectile into Terrestrial Target", EM2:Apr 78:273:13703

Karafiath, Leslie L.
Dsc, GT1:Jan 79:118:14269, of "Design for Railroad Ballast and Subgrade Support", GT1:Jan 78:45:13471
Dsc, GT6:June 79:796:14599, of "Cone Resistance as Measure of Sand Strength", GT7:July 78:995:13901

Karahan, Emin
See Mehmet Selim Yalin, HY4:Apr 79:381:14502
See Mehmet Selim Yalin, HY11:Nov 79:1433:14975

Karahan, M. Emin
Visualization of Separation Over Sand Waves, with Allan W. Peterson, HY8:Aug 80:1345:15652

Karapetov, G. Ya.
See N. A. Tsytovich, SLS:June 80:866

Karmeli, David
Analysis of Closed Conduit Irrigation System and Its Subdivision, with Gideon Oron, IR2:June 79:187:14612
TR:145:351

Karp, Irwin D.
Consistency Review of OCS Acitvities Off California, CZ80:Nov 80:2103

Karpuk, Edward W.
See Robert Gerard, HY9:Sept 79:1153:14834

Kartinen, Ernest, Jr.
See Gerald A. Guter, EE80:July 80:520

Kasali, Gyimah
See G. Wayne Clough, GT1:Jan 79:65:14335

Kaser, Fritz
Flow of Dilute Polymers Through Porous Media, with Robert J. Keller, EM3:June 80:525:15493
TR:145:688

Kasomekera, Zachary M.
Reservoir-Aquifer Interaction, with James N. Luthin, IRKA:July 80:120

Kassem, M. A.
Grid on Elastic Foundation with Rotational Restraints, with F. M. El-Amin and L. Greimann, TN: ST7:July 80:1645:15517

Kastner, Richard
See Gerard Didier, SLS:June 80:18

Katayama, Tsuneo
See Keizaburo Kubo, TC1:Apr 79:221:14548

Kato, Ben
Beam-to-Column Connection Research in Japan, Preprint No.80-179, Apr 80, 24pp.

Katopodes, Nikolaos D.
Dimensionless Solutions of Border-Irrigation Advance, with Theodor Strelkoff, IR4:Dec 77:401:13400
Dsc: Albert J. Clemmens, IR3:Sept 78:339:13980
Errata: IR3:Sept 79:340:14794, IR2:June 79:216:14601
TR:145:38
Divergent Flow in the Vicinity of a Breached Dam, HYCO:Aug 80:310
Two-Dimensional Shallow Water-Wave Models, with Theodor Strelkoff, EM2:Apr 79:317:14532
Dsc: Chintu Lai, EM3:June 80:575:15442
TR:145:262
Dsc, HY2:Feb 80:351:15161, of "Channel Flow Computations Using Characteristics", HY7:July 79:899:14717
See Theodor Strelkoff, IR3:Sept 77:325:13189

Katsuyuki, Sakai
See Manabe Shigeto, MGC:July 80:46

Katti, R. K.
See R. P. Joshi, SLS:June 80:227

Katz, Lester
See Chin-Hao Chang, EM3:June 80:501:15473

Katz, Pamela B.
Control of Stormwater Runoff in a Rural Area, with John A. Ripp and Deborah K. Martin, EE80:July 80:372

Katz, William J.
See Joel Wesselman, Preprint No.80-171, Apr 80, 16pp.

Katzenelson, Eliyahu
See Yael Rotem-Borensztajn, EE2:Apr 79:401:14536

Kaufman, Daniel C.
A Structural Resource Management System, CP80: June 80:369

Kaufman, Wallace
Access is the Opium of the Planner, CZ80:Nov 80: 119

Kausel, Eduardo
Seismically Induced Sliding of Massive Structures, with Albert Stanley Lucks, Lewis Edgers, William F. Swiger and John T. Christian, GT12:Dec 79: 1471:15065
TR:145:621

Kavanaugh, Paul F.
See George C. Weddell, CE:June 80:83

Kavazanjian, Edward, Jr.
Time-Dependent Deformation Behavior of Clays, with James K. Mitchell, GT6:June 80:611:15488
TR:145:726

Kawahara, Mutsuto
Finite Element Method for Direct Runoff Flow, with Teruyuki Yokoyama, HY4:Apr 80:519:15341
TR:145:628

Kawakami, Shogo
See Naojiro Aoshima, UP2:Nov 79:119:14952

Kawatski, Lois A.
See Stuart G. Walesh, WR2:Nov 77:177:13323

Kay, James Neil
Dsc, GT8:Aug 79:997:14722, of "Load Transfer in Pressure Injected Anchors", GT9:Sept 78:1183: 14035

Kearns, Dale L.
Fluid-Bed Combustion and Gasification Solids Disposal, with Colette C. Sun, Charles H. Peterson and Richard A. Newby, EY2:Oct 80:213:15749

Kealey, T. Robert
See Celal N. Kostem, EM81:Jan 81:61

Keer, Leon M.
See Lawrence E. Goodman, EM1:Feb 80:135:15203

Keifer, Clint J.
The Chicago Region's Valuable Water Resources, WR2:July 80:541:15569

Keim, Paul F.
Dsc, WR1:Nov 78:294:14121, of "Flood Management for Small Urban Streams", WR2:Nov 77:315:13370

Keiser, Gretchen
Management of Coastal Resources In Arctic Alaska, with Wayne Pichon, CZ80:Nov 80:1481

Keith, John E.
Western Economic Development and Water Planning: Bureau of Reclamation, with Keith Wilde, Jay C. Andersen and Allen LeBaron, WR1:Mar 79: 161:14416
TR:145:105

Keith, Robert A.
Future Prospects Re Travel Requirements and Financing, UT79A:July 79:285

Keleti, G.
See J. Sykora, EE80:July 80:267

Kellar, James D.
See David D. Knight, CAAA:Nov 79:189

Keller, Jack
Computerized Irrigation Pipe Network Design, with Gary Z. Watters, Preprint No.80-091, Apr 80, 21pp.

Keller, Robert J.
Dsc, HY3:Mar 79:279:14402, of "Developing Zone Characteristics in Aerated Flows", HY3:Mar 78: 385:13605
See Fritz Kaser, EM3:June 80:525:15493

Kelley, David L.
Fault Tree Analysis for Wastewater Treatment, with Richard C. Allison, EE6:Dec 79:1105:15031
TR:145:545

Kelley, Martin N.
Contractual Arrangements—E, CRLS:Jan 79:II-113

Kelly, J. M.
See Jerome L. Sackman, EM81:Jan 81:723

Kelly, Jack E.
Practical Problems of Confined-Aquifer Test Analyses, with Keith E. Anderson and W. L. Burnham, Preprint No.80-157, Apr 80, 8pp.

Kelly, William E.
Ground and Surface Water Interaction—Legal Aspects, WR1:Mar 80:55:15234
TR:145:350

Kemp, Kenneth O.
See James G.A. Croll, EM5:Oct 79:761:14895
See Charles P. Ellinas, ST12:Dec 80:2405:15910

Kemper, W.
All Metal Loading Arms for Bulk Liquid Handling, PO80:May 80:661

Kempner, Leon, Jr.
Transmission Line Structural Testing: Dynamic/ Static, with Richard C. Stroud and Strether Smith, Preprint No.80-041, Apr 80, 19pp.

Kennedy, John B.
Combined-Load Buckling of Orthotropic Skew Plates, with Madanapalli K. Prabhakara, EM1:Feb 79:71: 14363
TR:145:149
Postbuckling of Orthotropic Plate Structures, with Madanapalli K. Prabhakara, ST7:July 80:1497: 15518
Prestressed Waffle Slab Bridges—Elastic Behavior, with Ibrahim S. El-Sebakhy, ST12:Dec 80:2443: 15929

Kennedy, John F.
See Tatsuaki Nakato, HY11:Nov 79:1375:14978
See Terry W. Sturm, HY5:May 80:783:15398
See Sheng T. Hsu, HY11:Nov 80:1783:15830

Kennedy, Michael A.
TSM Measures for Major Activity Centers, with Walter Kudlick, TE5:Sept 79:499:14830
TR:145:362

Kennedy, R. C.
Dsc, CE:Dec 80:33, on Birth of the Synthetic Fuels Industry, CE:July 80:49

Kennedy, Robert P.
Seismic Design of Oil Pipeline Systems, with Arthur C. Darrow and Stephen A. Short, TC1:Apr 79:119:14505
TR:145:227
See James J. Johnson, EY1:Jan 79:15:14296
See William J. Hall, C080:80:150
See William J. Hall, Preprint No.80-042, Apr 80, 22pp.

Kennedy, Timothy C.
Tunnel Closure for Nonlinear Mohr-Coulomb Functions, with Herbert E. Lindberg, EM6:Dec 78:1313:14245
Dsc: Ashok K. Chugh and John D. Smart, EM6:Dec 79:1069:15007
Clo: EM4:Aug 80:852:15583
TR:145:113

Kenney, Marcia
Port Permitting Problems, CZ80:Nov 80:791

Kenney, T. Cameron
See Robert G. Horvath, GTDF:80:182

Kenning, Bruce F.I.
See Samuel O. Russell, HY1:Jan 79:43:14317

Kennington, Jeff L.
See Michael A. Collins, HY3:Mar 79:229:14452

Kenny, Joseph H.
Alternatives and Trade-Offs Between Low-Flow Releases and Hydropower Generation, with Patricia P. Pingel, Preprint No.80-154, Apr 80, 8pp.

Kent, David H.
See Gary Lawley, CZ80:Nov 80:1159

Kent, Douglas C.
See James W. Nancy, IRKB:July 80:117

Kerhin, Randall T.
The Role of a State Geological Survey in Barrier Island Management: A Critical Link Between Research and Policy, with Kenneth N. Weaver and Jeffrey P. Halka, CZ80:Nov 80:1289

Kerisel, Jean
Dsc, GT6:June 80:736:15443, of "Seismic Behavior of Gravity Retaining Walls", GT4:Apr 79:449:14496

Kermond, John L.
Coastal Zone Management Evaluation: Some Alternatives, CZ80:Nov 80:412

Kerns, Waldon R.
A Strategy for Financing Coastal Erosion Control, with Janet Scheid, CZ80:Nov 80:19

Kerr, Arnold D.
Improved Stress Analysis for Cross-Tie Tracks, EM4:Aug 79:539:14752
Dsc: Ching S. Chang, EM3:June 80:583:15442
TR:145:371

Kerssens, Peter M.J.
Model for Suspended Sediment Transport, with Adry Prins and Leo C. van Rijn, HY5:May 79:461:14574
Dsc: Maarten B. de Groot, Jan N. Svasek and Abraham J. Bliek, HY5:May 80:939:15379
TR:145:286

Kesler, Clyde E.
See Mohsen Mahmoudzadeh Rahimi, ST1:Jan 79:101:14282

Kessler, K. A.
Case History: Pile Foundation in Flood Plain Soils, GTDF:80:215

Kessler, Keith A.
Wet Disposal of Fossil Plant Wastes, Preprint No.80-660, Oct 80, 14pp.

Ketchum, Lloyd H., Jr.
Consulting Engineering Graduate Education, EI4:Oct 79:197:14889
Dsc: Thiruvenkatachari Viraraghavan, EI4:Oct 80:427:15718
TR:145:378

Ketchum, Mark A.
Preliminary Analysis and Design of Shell Structures, with Milo S. Ketchum, Preprint No.80-581, Oct 80, 14pp.

Ketchum, Milo S.
See Mark A. Ketchum, Preprint No.80-581, Oct 80, 14pp.

Ketschke, Barry A.
Use of Porous Dike to Reduce Entrainment and Entrapment in Power Plant Cooling Water Systems, CZ80:Nov 80:649

Kettle, Kenath A.
Proposed Construction Management Specification, CO4:Dec 79:367:15027
Dsc: John J. Formes, CO3:Sept 80:433:15661; H. Murray Hohns, CO3:Sept 80:434:15661
TR:145:489

Keuning, Date H.
Wave Run-up Influence on Overtopping of Levees, with Jan B.M. van Acker, HY5:May 79:589:14588
TR:145:306

Keyes, Conrad G., Jr.
Organizations Involved In Weather Modification, IRKA:July 80:97
Terminal Usage of Batch Programs in Highway Design, with John Minor and Kenneth R. White, CP80:June 80:350

Khachaturian, Narbey
See John P. Gnaedinger, EI4:Oct 79:207:14920

Khalifa, Abdelkawi M.
Radial Hydraulic Jump, with John A. McCorquodale, HY9:Sept 79:1065:14825
TR:145:436
See John A. McCorquodale, HY3:Mar 80:355:15250

Khan, Fazlur R.
Five Millions Square Foot Tent Roof, with John J. Zils and Mohammed Salem, CE:Dec 80:68

Khan, Irfan A.
Determining Impact of Irrigation on Ground Water, IR4:Dec 80:331:15927

Khanna, Jitendra
Stand-Off Force on Ships Moored in Strong Current, with Torben Sorensen, PO80:May 80:731

Kharajian, Hraj A.
Activated Sludge Process Modification Study, with Joseph H. Sherrard, EE2:Apr 79:189:14527
TR:145:303

Khasnabis, Snehamay
See Ronald G. Arbogast, TE5:Sept 80:539:15709
See Kenneth S. Opiela, UP1:Nov 80:71:15861

Khatri, Krishanlal C.
Hydraulics of Microtube Emitters, with I-Pai Wu, Harris M. Gitlin and Allan L. Phillips, IR2:June 79:163:14613
Errata: IR3:Sept 80:258:15664
TR:145:365

Khatua, Tara P.
See Anand K. Singh, EM81:Jan 81:580

Khera, Raj P.
Timber Piles in Fine-Silty Sand, with Tonis Raamot and Morris Berkowitz, GTDF:80:235
See Farrokh N. Screwvala, GT8:Aug 79:927:14772

Khorram, Siamak
Surface Temperature Mapping by NOAA-5 Satellite, with H. Gregory Smith, ASDC:80:286
Use of Digital Terrain Data in Topographic Analysis, with H. Gregory Smith, ASDC:80:368

Khudenko, Boris M.
Postaeration of Wastewater, EE2:Apr 79:297:14534
TR:145:326
Dsc, TN: EE4:Aug 79:787:14720, of "Ideal Flow Patterns for Equalization Basins", TN: EE4:Aug 78:817:13913
Dsc, HY9:Sept 79:1213:14793, of "Oxygen Transfer at Hydraulic Structures", HY11:Nov 78:1521:14190

Kibler, David F.
Urban Runoff Management Strategies, with Gert Aron, TC1:Aug 80:1:15600

Kidder, Alice E.
Dsc, UT79A:July 79:52, of "Existing Revenue Sources", UT79A:July 79:45

Kiefer, Bruce V.
See George C. Sih, EM2:Apr 80:245:15346

Kiefer, John R.
Trophic State of LaFarge Reservoir, EE6:Dec 79:1095:15040
TR:145:556

Kiekbusch, Manfred
Membrane Penetration and Its Effect on Pore Pressures, with Bernd Schuppener, GT11:Nov 77:1267:13331
Dsc: Etienne Flavigny and Felix Darve, GT1:Jan 79:115:14269
Clo: GT11:Nov 79:1366:14934
TR:145:52

Kikkawa, Hideo
Total Load of Bed Materials in Open Channels, with Tadaharu Ishikawa, HY7:July 78:1045:13895
Dsc: Bommanna G. Krishnappan, HY8:Aug 79:1044:14723
Clo: HY3:Mar 80:455:15225
TR:145:108

Kilcup, Robert
Dsc, Drafter/Chairperson—ridiculous?, CE:Sept 80:36
See Paul Millman, ST4:Apr 80:877:15364

Kilian, Paul B.
Dsc, CE:July 80:30, on Carbon Treatment of Drinking Water: N.J. Plant Trying to Get Out Bugs, CE:Jan 80:64

Killam, Everett H.
See Kalman L. Benuska, EM81:Jan 81:152

Kilmartin, Ronald F.
Hydroclimatology—A Needed Cross-Discipline, EFHYF:Mar 79:160

Kim, Jai B.
Pile Cap Soil Interaction from Full-Scale Lateral Load Tests, with Lakshman P. Singh and Robert J. Brungraber, GT5:May 79:643:14571
Dsc: HoBoo Ha and Michael W. O'Neill, GT8:Aug 80:952:15584
Clo: GT8:Aug 80:954:15584
TR:145:387

Kim, Jin H.
See Ralph H. Cross, PO80:May 80:429

Kim, M. M.
Determination of Fracture Toughness of Concrete, with Hon-Yim Ko and Kurt H. Gerstle, FIC:Oct 80:1

Kim, Sang-Sik
See Zdenek P. Bazant, EM3:June 79:407:14653
See Zdenek P. Bazant, EM3:June 79:429:14654
See Zdenek P. Bazant, ST12:Dec 79:2695:15083

Kim, Steve W.
See Ralph E. Roper, Jr., EE2:Apr 79:309:14518

Kimball, Robert A.
See Myron S. Rosenberg, IRKB:July 80:517

Kimmons, Robert L.
Coordinated Advancement for Professionals, EI3:July 80:227:15529
Radical Change Requires a Firm Foundation, Preprint No.80-682, Oct 80, 17pp.

Kinbar, Sheldon A.
Dsc, UT79A:July 79:105, of "Distribution of Urban Transportation Costs", UT79A:July 79:81

Kincaid, John B.
See George R. Brower, EE80:July 80:472

Kincannon, Sandra K.
Cross-Ply Elliptic Plates of Bimodulus Material, with Charles W. Bert and V. Sudhakar Reddy, ST7:July 80:1437:15537

King, Clifford R.
See Richard deNeufville, TE2:Mar 79:109:14421

King, Jerome R.
See M. C. Hsieh, Preprint No.80-673, Oct 80, 15pp.

King, Oscar Lloyd, Sr.
Memoir of, TR:145:749

King, Ronald L.
A/E Use of Computer Aids on Federal Projects, CP80:June 80:562

King-Hin, Lee
See Bruce G. Wade, Preprint No.80-588, Oct 80, 10pp.

Kingsbury, Herbert B.
See A. M. Wijesinghe, GT1:Jan 80:1:15114

Kinman, Riley N.
See James J. Walsh, EE80:July 80:62

Kinney, Leo A., Jr.
Economical Pipe Sizing for Irrigation Systems, with Michael R. Moncrief, IRKA:July 80:445

Kinney, Thomas C.
Soil Movement in Geotextile Reinforced Roads, with Ernest J. Barenberg, Preprint No.80-177, Apr 80, 24pp.

Kinsey, R. H.
Remote Sensing for Water Resource Surveys, ASDC: 80:55
Uses of Small Format Aerial Photography, ASDC:80: 63

Kinzy, Stephen
Urban Geoprocessing: A Staged Development Concept, SU80:June 80:172

Kirby, Jeffrey B.
See Donald B. Walters, Preprint No.80-625, Oct 80, 14pp.

Kirby, Patrick A.
See Stephen W. Jones, Preprint No.80-179, Apr 80, 22pp.

Kiremidjian, Anne S.
Probabilistic Site-Dependent Response Spectra, with Haresh C. Shah, ST1:Jan 80:69:15110
TR:145:536
See John A. Blume, ST11:Nov 79:2293:14976

Kirk, Karen
The Role of ASCE in Influencing Public Policy on Controversial Technical Issues, EI4:Oct 80:415: 15780

Kirkegaard, J.
Effects of Directional Sea In Model Testing, with S. E. Sand, N.-E. Ottesen Hansen and M. Hvidberg Knudsen, PO80:May 80:597

Kirsch, Uri
Decomposition in Optimum Structural Design, with Fred Moses, ST1:Jan 79:85:14320
TR:145:155

Kirschenman, Merlin D.
Impact of Inspector's Experience on Liability, Preprint No.80-514, Oct 80, 14pp.

Kirshen, Paul H.
Water Supply Planning Model for West Africa, WR2: Sept 79:413:14861
TR:145:318

Kishi, Tsutomu
See Tadaoki Itakura, HY8:Aug 80:1325:15650

Kitchell, Robert P.
See Donald L. Matchett, EY2:Aug 79:277:14770

Kitipornchai, Sritawat
Buckling Properties of Monosymmetric I-Beams, with Nicholas S. Trahair, ST5:May 80:941:15406
TR:145:650

Kiureghian, Armen Der
See Jerome L. Sackman, EM81:Jan 81:731

Kivisild, H. R.
See D. M. Masterson, ST1:Jan 80:133:15101

Klee, Albert J.
Classification of Hazardous Wastes, with Michael U. Flanders, EE1:Feb 80:163:15205
TR:145:639

Kleiman, Daniel B.
See Kenneth F. Rosanski, Preprint No.80-535, Oct 80, 14pp.

Klein, Joseph P., III
Dsc, with Luke M. Snell, CO3:Sept 79:275:14791, of "Evaluation of Contractor Comments on the Quality of Specifications", CO2:June 78:153:13801

Klein, Richard B.
Nonlinear Analysis of Steel Frames, with Fred W. Beaufait, CP80:June 80:172

Klingner, Richard E.
Dsc, ST11:Nov 79:2485:14936, of "Infilled Walls for Earthquake Strengthening", ST2:Feb 79:283:14364

Klippstein, Karl H.
See Charles G. Schilling, ST8:Aug 77:1561:13123
See Charles G. Schilling, ST3:Mar 78:425:13618

Klotz, Bill W.
Impact of Education & Communication on Productivity, EI1:Jan 78:35:13464
Clo: EI3:July 79:176:14660
TR:145:44

Klotz, Louis H.
Use of Computers by Federal Construction Agencies, CP80:June 80:578

Klym, Tony W.
See Nabil F. Ismael, GT8:Aug 78:1061:13969
See Nabil F. Ismael, GT5:May 79:579:14568

Knab, Lawrence I.
Numerical Aid to Reduce Construction Injury Losses, CO4:Dec 78:437:14213
Errata: CO2:June 80:223:15440
TR:145:157

Knight, David D.
Transportation System and Control Measure Analysis of Air Quality Alternatives — The Los Angeles Basin Experience, with James D. Kellar, CAAA: Nov 79:189

Knight, Donald W.
Hydraulic Resistance of Artificial Strip Roughness, with J. Alasdair Macdonald, HY6:June 79:675: 14635
Dsc: R. Fuentes and J. J. Garcia, HY6:June 80: 1142:15444; Eric M. Valentine, HY7:July 80: 1257:15512
TR:145:338
Open Channel Flow with Varying Bed Roughness, with J. Alasdair Macdonald, HY9:Sept 79:1167: 14839
Dsc: Peter R. Wormleaton, John Allen and Panos Hadjipanos, HY9:Sept 80:1554:15663; Nandana Vittal, M. S. Verma and Kittur G. Ranga Raju, HY10:Oct 80:1705:15721
TR:145:448

Knight, R. W.
See W. H. Blackburn, IRKB:July 80:552

Knisel, Walter G., Jr.
Erosion and Sediment Yield Models—An Overview, IRKB:July 80:141
See George R. Foster, IRKB:July 80:151

Knisely, Charles
See Donald Rockwell, HY8:Aug 79:969:14773

Knocke, William R.
Vacuum Filtration of Metal Hydroxide Sludges, with Mriganka M. Ghosh and John T. Novak, EE2:Apr 80:363:15363
TR:145:709
See Lynn P. Croy, EE80:July 80:534

Knodel, Paul C.
Construction of a Large Canal on Collapsing Soils, Preprint No.80-141, Apr 80, 28pp.

Knox, James C.
Geomorphic Evidence of Frequent and Extreme Floods, EFHYF:Mar 79:220

Knudsen, Clarence V.
Re-decking a Bridge With Precast Concrete, CE:Apr 80:75
Dsc: Martin A. Welt, CE:Sept 80:36
TR:145:668

Knudsen, M. Hvidberg
See J. Kirkegaard, PO80:May 80:597

Ko, Hon-Yim
See Bruce E. Berends, TN: GT1:Jan 80:106:15100
See M. M. Kim, FIC:Oct 80:1
See Kurt Berlin Gerstle, EM6:Dec 80:1383:15945

Kobayashi, Harutoshi
See Keiichiro Sonoda, EM2:Apr 80:323:15307

Koch, Janet A.
Productivity and Technology in Construction, with Fred Moavenzadeh, CO4:Dec 79:351:15077
TR:145:541

Kockelman, William J.
Protecting Suisun Marsh — 85,000 Acres of Habitat, with Jeffry S. Blanchfield, CZ80:Nov 80:1138

Kocsis, Peter
Dsc, GT10:Oct 80:1172:15720, of "Lateral Load Tests on Drilled Piers in Stiff Clays", GT8:Aug 79:969:14789

Koehler, Fred A.
Modification of Older Automated Samplers, with Ed P. Harris and Frank J. Humenik, TN: EE3:June 80:655:15447
Dsc, with Frank J. Humenik and F. Larry Bliven, EE2:Apr 80:470:15296, of "Nutrient Budget Analysis for Rend Lake in Illinois", EE3:June 79:547:14616
See Larry F. Bliven, EE1:Feb 79:101:14343

Koehn, Enno
Cold Weather Costs and Accidents, with Dennis Meilhede, Preprint No.80-505, Oct 80, 18pp.
Cost of Environmental Impact Statements, with Bradley Fallon, Fred Seling and Randall Young, CO4:Dec 79:331:15092
TR:145:569
Public Reaction to a Construction Project, with Lawrence C. Winkelman, Preprint No.80-009, Apr 80, 20pp.

Koerner, Robert M.
Detection Methods for Location of Subsurface Water and Seepage, with Jonathan S. Reif and Michael J. Burlingame, GT11:Nov 79:1301:14989
TR:145:577
Stress-Strain-Time Behavior of Geotextiles, with Jack L. Rosenfarb, William W. Dougherty and John J. McElroy, Preprint No.80-177, Apr 80, 22pp.
Dsc, CE:Aug 80:36, on How about Reverse Filters, CE:Apr 80:78

Koesling, Michael K.
Dsc, WR2:Sept 79:442:14797, of "Economic Assessment of Storm Drainage Planning", WR1:Nov 78:45:14162

Kohlhase, Soren
Dsc, with Udo Berger, WW1:Feb 79:98:14357, of "The Wave Pump: Conversion of Wave Energy to Current Energy", WW4:Nov 77:449:13317

Kohn, Starr D.
See Mohamed Y. Shahin, TE4:July 80:381:15527

Kolk, Henricus J.
See Vasant N. Vijayvergiya, GT10:Oct 77:1069:13293

Koloseus, Herman J.
Dsc, CE:Aug 80:37, on The New Energy Boom: Hydropower, CE:Apr 80:66

Koman, Bela
Fender System Requirements at Open-Sea Berths, PO80:May 80:520

Komornik, A.
See D. David, SLS:June 80:798

Komornik, Amos
Shear Strength and Swelling of Clays Under Suction, with Moshe Livneh and S. Smucha, SLS:June 80:206
See Joseph G. Zeitlen, SLS:June 80:609

Kondap, Digamber M.
Dsc, with Ramachandra J. Garde, HY10:Oct 80:1708:15721, of "Hydraulic Geometry of Active Gravel Rivers", HY9:Sept 79:1185:14841

Koo, Benjamin
Dsc, ST4:Apr 80:936, of "Reliability Based Criteria for Reinforced Concrete Design", ST4:Apr 79:713:14480

Koppula, Sivajogi D.
Forecasting Lake Levels—A Case Study, HYUS:June 80:280
Dsc, EE3:June 80:678:15441, of "Time Series Modeling of Chicago Particulates", EE5:Oct 79:855:14887

Korbin, Gregory E.
Field Study of Tunnel Prereinforcement, with Tor L. Brekke, GT8:Aug 78:1091:13948
Dsc: Edward G. Truscott, GT6:June 79:799:14599
Clo: GT2:Feb 80:216:15160
TR:145:151

Korf, Victor W.
Bargaining with the "Professional" Union, Preprint No.80-015, Apr 80, 15pp.

Kornegay, B. H.
See Mark C. Anderson, EE80:July 80:378

Kortan, James F.
Atlanta's New Central Passenger Terminal Complex, TE6:Nov 80:765:15821

Koshuta, Cheryl R.
See Richard A. Du Bey, CZ80:Nov 80:2135

Kostem, Celal N.
Vibration Of A Steel Truss Highway Bridge, with Robert T. Reese and T. Robert Kealey, EM81:Jan 81:61
Dsc, with Jeffrey C. Hall, ST8:Aug 80:1830:15586, of "Continuous Composite-Bridge Model Tests", ST9:Sept 79:1741:14824

Kostro, George
Dsc, ST11:Nov 80:2357:15785, of "Beam-To-Column Moment Connecttions", ST1:Jan 80:313:15108

Kos'yan, Ruben D.
See Sergei M. Antsyferov, HY2:Feb 80:313:15216

Kotanchik, James J.
See Richard H. Long, TC1:Aug 80:129:15622

Kothandaraman, Veerasamy
Nutrient Budget Analysis for Rend Lake in Illinois, with Ralph L. Evans, EE3:June 79:547:14616
Dsc: Fred A. Koehler, Frank J. Humenik and F. Larry Bliven, EE2:Apr 80:470:15296
Clo: IR4:Dec 80:376:15867
TR:145:364

Kotras, Thomas V.
See Robert P. Johnson, HYCO:Aug 80:431

Kotsovos, Michael D.
Generalized Stress-Strain Relations for Concrete, with John B. Newman, EM4:Aug 78:845:13922
Errata: EM6:Dec 79:1067:15007
TR:145:63
Dsc, EM1:Feb 80:193:15159, of "Constitutive Model for Short-Time Loading of Concrete", EM1:Feb 79:127:14375
See Kurt Berlin Gerstle, EM6:Dec 80:1383:15945

Kotzias, Panaghiotis C.
Penetrability for Discriminating in Rock and Soil, with Aris C. Stamatopoulos, TN: GT2:Feb 80:193:15193

Kountouris, George E.
See William R. Spillers, ST5:May 80:959:15396

Koussis, Antonis D.
Analytical-Numerical Computation of Infiltration, with Siu-Lun Chow, IR2:June 80:123:15494
Errata: IR3:Sept 80:263:15664
TR:145:721
Comparison of Muskingum Method Difference Schemes, TN: HY5:May 80:925:15383
Ground-Water Flow Computations by Method of Lines, with Richard W. Watson, IR1:Mar 80:1:15238
TR:145:620
Transient Reservoir-Aquifer Interaction, HY6:June 79:637:14630
TR:145:330
See E. Eric Adams, EY2:Oct 80:141:15737

Koutitas, Christopher
Modeling Three-Dimensional Wind-Induced Flows, with Brian O'Connor, HY11:Nov 80:1843:15836

Koutsoftas, Demetrious C.
Dynamic Properties of Two Marine Clays, with Joseph A. Fischer, GT6:June 80:645:15499
TR:145:728

Kouwen, Nicholas
Biomechanics of Vegetative Channel Linings, with Ruh-Ming Li, HY6:June 80:1085:15464
TR:145:704

Kovacs, William D.
Velocity Measurement of Free-Fall SPT Hammer, GT1:Jan 79:1:14313
TR:145:244
See William G. Salomone, Preprint No.80-177, Apr 80, 14pp.

Kownacki, Michael L.
See Bernard M. Leadon, EM4:Aug 79:515:14732

Kozak, John J.
Economic of Hazard Mitigation for Transportation Structures, C080:80:85
Dsc, ST1:Jan 78:229:13451, of "Erection Strength Adequacy of Long Truss Cantilevers", ST1:Jan 77:225:12698

Kozera, David W.
See Fred H. Kulhawy, GT1:Jan 79:31:14301

Kozlowski, Thomas P.
Transportation/Air Quality Planning in Small Areas, with George Schoener, CAAA:Nov 79:306

Krabill, William B.
See John G. Collins, AS80:Aug 80:175

Kraeger-Rovey, Catherine
Simulation Model for Open Pit Mine Dewatering, HYCO:Aug 80:107

Kraft, John C.
See Kathleen Drew, CZ80:Nov 80:830

Kraft, Leland M., Jr.
See Takaaki Kagawa, GT8:Aug 80:899:15656

Kraft, Leland Milo, Jr.
See John A. Focht, Jr., GT10:Oct 77:1097:13301

Kraft, Walter H.
Midtown Manhattan Circulation and Surface Transit Study and Demonstration Project, with Samuel I. Schwartz, Preprint No.80-156, Apr 80, 20pp.

Krahn, J.
See D. G. Fredlund, SLS:June 80:322

Krajcinovic, D.
Progressive Damage of Dynamically Loaded Brittle Rod, with M. G. Srinivasan, G. U. Fonseka and R. A. Valentin, Preprint No.80-522, Oct 80, 13pp.

Kral, George J.
Minority Entrepreneurship - The ASCE Position, EI3:July 80:211:15541

Kranenburg, C.
Destratification of Lakes Using Bubble Columns, HY4:Apr 79:333:14498
Dsc: Donald Steven Graham, HY6:June 80:1129:15444
Clo: HY11:Nov 80:1943:15784
TR:145:262

Kraus, Nicholas C.
Dsc, with Tamio O. Sasaki, WW3:Aug 79:337:14725, of "Finite Element Modeling of Nearshore Currents", WW2:May 78:175:13719

Krause, Gerhard
Finite Element Schemes for Porous Elastic Media, EM3:June 78:605:13851

Dsc: Ranbir S. Sandhu, EM2:Apr 79:355:14470
Clo: EM6:Dec 79:1064:15007
TR:145:48

Krause, Robert J.
See Donald M. Arntzen, TE6:Nov 80:721:15813

Krauthammer, Theodor
Resistance Of Hardened Box-Type Structures, EM81: Jan 81:713
See Naguib F. Danial, SU1:Nov 80:73:15812

Krawinkler, Helmut
Seismic Behavior of Beam-to-Column Moment Connections and Joints, with Egor P. Popov, Preprint No.80-179, Apr 80, 22pp.
See James M. Gere, CE:June 80:91

Kray, Casimir J.
Hydrodynamic Mass at Piers, Wharves and Dolphins, Preprint No.80-093, Apr 80, 21pp.

Krazynski, Leonard
Special Address—Conference Overview, SLS:June 80: 671
Summary of Panel Discussion on Testing and Prediction Methods, with V. Escario, D. G. Fredlund, R. L. Lytton, John Holland, R. G. McKeen, Peter Mitchell and A. A.B. Williams, SLS:June 80:683

Kreft, Andrzej
See Gunter Hibsch, HY9:Sept 79:1137:14833

Krimgold, Frederick
See Robert V. Whitman, ST7:July 80:1573:15564

Krimm, Richard W.
See Brian R. Mrazik, EFHYF:Mar 79:375

Krishnamurthy, Muthusamy
Comparison of HEC 1 & TR 20 Programs, with W. Tracy Lenocker, HYUS:June 80:92
See Asok K. Motayed, HY11:Nov 79:1454:14935
See Asok K. Motayed, TN: HY6:June 80:1111:15449

Krishnamurthy, Natarajan
Analytical M-Θ Curves for End-Plate Connections, with Horng-Te Huang, Paul K. Jeffrey and Louie K. Avery, ST1:Jan 79:133:14294
TR:145:132
Dsc, ST12:Dec 78:1928:14197, of "Analysis of Bolted Connections Subject to Prying", ST11:Nov 77:2145:13352
Dsc, ST2:Feb 80:573:15162, of "Limit Design of Extended End-Plate Connections", ST3:Mar 79: 511:14460
Dsc, ST12:Dec 80:2573:15868, of "Beam-To-Column Moment Connecttions", ST1:Jan 80:313:15108

Krishnappan, Bommanna G.
Dsc, HY8:Aug 79:1044:14723, of "Total Load of Bed Materials in Open Channels", HY7:July 78:1045: 13895

Krishnaswamy, N. R.
See K. S. Sankaran, TN: GT3:Mar 80:325:15262

Kristek, Vladimir
See Jiri Studnicka, ST10:Oct 79:2139:14869

Krizek, Raymond J.
Landfill Management for Double Alkali Sulfur Dioxide Scrubber Sludge, EY2:Aug 79:229:14742
Dsc: Clifton E.R. Lawson, EY1:Apr 80:111:15299
TR:145:313
See Dimitrios K. Atmatzidis, WW1:Feb 79:33:14342
See Atilla M. Ansal, GT4:Apr 79:519:14546
See Zdenek P. Bazant, EM4:Aug 79:549:14738
See Rafael M. Blazquez, GT7:July 80:785:15577

Krohn, James P.
Assessment of Expansive Soils in the United States, with James E. Slosson, SLS:June 80:596

Kroner, Ekkehart
Graded and Perfect Disorder in Random Media Elasticity, EM5:Oct 80:889:15754

Kroszynski, Uri I.
See Michael Stiassnie, TN: WW3:Aug 79:331:14731

Krouse, Charles A.
Existing Revenue Sources, UT79A:July 79:45
Dsc: Alice E. Kidder, UT79A:July 79:52; C. Michael Walton, UT79A:July 79:58

Kruger, Paul
Awards for 1980 to be given this Month: State-of-the-Art, with James K. Channell, George F. Collins, Joseph A. Drago, Morton I. Goldman and Mark G. Monn, CE:Oct 80:144
Nuclear Facilities Siting, EE3:June 79:443:14615
TR:145:4
Dsc, CE:Sept 79:36, on Nuclear Wastes: Safe Way to Dispose Them Underground Forever, CE:May 79: 72

Kruppa, Joel
Collapse Temperature of Steel Structures, ST9:Sept 79:1769:14836
TR:145:398

Kruse, Cornelius W.
Dsc, CE:Dec 79:34, on Toxic Chemicals in New Jersey's Environment: Cancer Link?, CE:Sept 79:74

Kry, P. R.
A Statistical Prediction of Effective Ice Crushing Stresses on Wide Structures, Preprint No.80-084, Apr 80, 20pp.

Kubic, Charles R.
Two-Way Flexure of Steel-Deck-Reinforced Slabs, with J. Hartley Daniels, ST6:June 79:1039:14633
TR:145:297

Kubo, Keizaburo
Lifeline Earthquake Engineering in Japan, with Tsuneo Katayama and Masamitsu Ohashi, TC1:Apr 79:221:14548
TR:145:337

Kubo, Masahiro
See Yuhshi Fukumoto, ST1:Jan 80:165:15142

Kuchon, Kip
Occurence of Organic Compounds and Removal by AWT Processes, EE80:July 80:612

Kuck, William M.
See G. Wayne Clough, GT1:Jan 79:65:14335

Kudlick, Walter
Making TheBus Better, with Akira Fujita, Howard Takara and Robert R. Way, MGC:July 80:332
See Michael A. Kennedy, TE5:Sept 79:499:14830

Kudrna, Frank L.
Lake Michigan Water Allocation in Illinois, with Donald R. Vonnahme and Kenneth L. Brewster, WR1:Mar 80:43:15232
TR:145:328

Kuesel, Thomas R.
Allocation of Risks — B, CRLS:Jan 79:I-51

Faults in Swedish and American Tunnel Practice: A Fable, CE:Jan 79:74
TR:145:50

Kuhlemeyer, Roger L.
Static and Dynamic Laterally Loaded Floating Piles, GT2:Feb 79:289:14394
Dsc: Rajan Sen, GT4:Apr 80:482:15300
Errata: GT2:Feb 80:218:15160, GT4:Apr 80:483:15300
TR:145:299
Vertical Vibration of Piles, GT2:Feb 79:273:14393
Errata: GT2:Feb 80:217:15160
TR:145:293

Kuhn, Gerald G.
Coastal Erosion in San Diego County, California, with Francis P. Shephard, CZ80:Nov 80:1899

Kulak, Geoffrey L.
See John W. Fisher, ST9:Sept 78:1427:14017
See Garry R. Bardell, ST9:Sept 80:1855:15685

Kulash, Damian J.
Dsc, UT79A:July 79:77, of "Direct Cost/Revenue Shortfalls in Transportation", UT79A:July 79:60

Kulesza, Bert
See Walter F. Megahan, IRKB:July 80:380

Kulhawy, Fred H.
Uplift Testing of Model Drilled Shafts in Sand, with David W. Kozera and James L. Withiam, GT1:Jan 79:31:14301
Dsc: Leonard O. Long, GT5:May 80:474:15378; Umesh Dayal, GT5:May 80:574:15378; Roger C. Harvey, Andreas Andreadis and Stelios N. Tsangarides, GT5:May 80:577:15378
Clo: GT5:May 80:579:15378
TR:145:230
Dsc, GT6:June 80:741:15443, of "Uplift and Bearing Capacity of Short Piers in Sand", GT5:May 79:579:14568
See Ernest T. Selig, CE:Mar 79:68

Kulka, Felix
Types of Segmental Construction: Precasting Versus In-Place Concreting, with Charles Redfield and T. Y. Lin, Preprint No.80-636, Oct 80, 14pp.

Kull, Frederick J.
Railroad Highway Grade Crossing Program: Railroad View, HW80:Mar 80:130

Kumar, Arun
See Subhash Chander, HY11:Nov 78:1495:14179
See Subhash Chander, HY10:Oct 79:1321:14868
See Subhash Chander, EE1:Feb 80:247:15158
See Subhash Chander, HY3:Mar 80:466:15225

Kumar, Ashok
Pivot Point Modeling Procedures in Demand Estimation, TE6:Nov 80:647:15809

Kumar, Sushil
General Algorithm for Rough Conduit Resistance, with John A. Roberson, HY11:Nov 80:1745:15806

Kummer, E.
Detection Of Fatigue Cracks In Structural Members, with J. C. S. Yang and N. Dagalakis, EM81:Jan 81:445

Kundzewicz, Zbigniew W.
Dsc, HY12:Dec 80:2072:15866, of "Approximate Flood Routing Methods: A Review", HY12:Dec 79:1521:15057

Kunna, John G.
Introduction, HW80:Mar 80:1
The 55-mph Speed Limit: A Review, TE3:May 80:299:15404
TR:145:632

Kuo, M. F.
See R. T. Fellman, EE80:July 80:221

Kuo, You-Mong
Torsion of Reinforced Square Cylinder, with Harry D. Conway, EM6:Dec 80:1341:15921

Kureth, C. L., Jr.
See D. B. Robbins, CZ80:Nov 80:236

Kurosawa, Shigeo
Earth Pressure Balanced Shield Tunneling, Preprint No.80-664, Oct 80, 12pp.

Kurt, Carl E.
Concrete Filled Structural Plastic Columns, ST1:Jan 78:55:13478
Dsc: Fred C. McCormick, ST10:Oct 78:1691:14048; C. N. Srinivasan, ST1:Jan 79:264:14271
Clo: ST11:Nov 79:2469:14936
TR:145:30

Kury, Franklin L.
Dsc, with Walter A. Lyon, EI4:Oct 78:355:14044, of "Freedom and Environmental Quality", EI3:July 77:211:13057

Kuss, Henry J.
See John J. Closner, PO80:May 80:469

Kuzmanovic, Bogdan O.
Mini-Computers in Structural Optimum Design, with Nicholas Willems, Preprint No.80-556, Oct 80, 12pp.

Kwok, Clyde C.K.
Steady Flow Past Prism in Rectangular Conduit, with Pai Mow Lee, HY7:July 79:845:14697
TR:145:376

Kwok, Kenny C.S.
Freestream Turbulence Effects on Galloping, with William H. Melbourne, EM2:Apr 80:273:15356
TR:145:634

Laak, Rein
Multichamber Septic Tanks, EE3:June 80:539:15472
TR:145:724

Labadie, John W
Optimal Control of Unsteady Combined Sewer Flow, with Dennis M. Morrow and Yung Hai Chen, WR1:Mar 80:205:15233
TR:145:339
Systematic Groundwater Development Under Risk, with Duane R. Hampton and Warren A. Hall, Preprint No.80-146, Apr 80, 22pp.

Labra, John J.
Protective Structure Response to Vehicle Impact, ST6:June 79:991:14622
TR:145:285

Lachance, Luc
Accuracy of Composite Section Nonlinear Solutions, with Clifford O. Hays, Jr., ST11:Nov 80:2203:15801

Ladd, Charles C.
See Roy E. Olson, GT1:Jan 79:11:14330
See Roger Foott, GT3:Mar 80:219:15288
See Mohsen M. Baligh, GT4:Apr 80:447:15377

Ladd, Richard S.
See Ricardo Dobry, GT6:June 80:720:15443
See Ricardo Dobry, GT6:June 80:720:15443

Lade, Poul V.
Prediction of Undrained Behavior of Sand, GT6:June 78:721:13834
Dsc: Etienne Flavigny, Pierre Foray and Felix Darve, GT9:Sept 79:1126:14792
TR:145:99

Lafe, Olurinde E.
Singularities in Darcy Flow Through Porous Media, with J. Sergio Montes, Alexander H-D. Cheng, James A. Liggett and Philip La-Fan Liu, HY6:June 80:977:15467
TR:145:706

Lagasse, Peter F.
Impact of Gravel Mining on River System Stability, with Brien R. Winkley and Daryl B. Simons, WW3: Aug 80:389:15643

Laguros, Joakim G.
See Jimmy F. Harp, IRKA:July 80:180

Lai, Chintu
Techniques and Experiences in the Utilization of Unsteady Open-Channel Flow Models, with Robert A. Ba'tzer and Raymond W. Schaffranek, HYCO: Aug 80:177
Urban Storm Sewer Flows in Coastal Areas, HYUS: June 80:244
Dsc, EM3:June 80:575:15442, of "Two-Dimensional Shallow Water-Wave Models", EM2:Apr 79:317: 14532

Lai, Rafael
See A. Fattah Chalabi, CP80:June 80:140

Lai, Shih-Sheng P.
Inelastic Response Spectra for Aseismic Building Design, with John M. Biggs, ST6:June 80:1295: 15482
TR:145:675

Laier, James E.
Minimizing Foundation Swell Potential in Yazoo Clay, with Joseph H. Lamar, SLS:June 80:421

Laine, Edwin F.
Cross-Borehole Observation of Soil Grouting, with R. Jeffrey Lytle and Justin T. Okada, GT8:Aug 80: 871:15649
Probing Concrete with Radio Waves, with K. A. Dines, Justin T. Okada and R. Jeffrey Lytle, GT7: July 80:759:15556

Lakshmana Rao, Nagar S.
See B. S. Thandaveswara, HY3:Mar 78:385:13605

Lal, Pande B.B.
Turbulent Jets in Co-Flowing Streams, with Nallamuthu Rajaratnam, EM6:Dec 79:1025:15043
TR:145:464

Lam, Chan F.
Soap Films, Steiner Trees and Water Systems, with Pramod R. Bhave, HYCO:Aug 80:221

Lam, Ignatius
See Geoffrey R. Martin, GT9:Sept 80:981:15706
See Chan-Feng Tsai, GT9:Sept 80:997:15708

Lamar, Joseph H.
See James E. Laier, SLS:June 80:421

Lamb, R. C.
See William R. Gordon, EFHYF:Mar 79:274

Lamb, Thomas J.
See William F. Swiger, GT6:June 80:673:15506

Lambe, T. William
Stress Path Method: Second Edition, with W. Allen Marr, GT6:June 79:727:14655
Dsc: Michael J. Pender, GT9:Sept 80:1068:15662; G. Gudehus, GT9:Sept 80:1071:15662
Clo: GT9:Sept 80:1074:15662
TR:145:416
See James K. Mitchell, GT3:Mar 77:227:12814

Lambert, Jeff L.
See Philip B. Bedient, EE2:Apr 80:421:15336

Lambrechts, James R.
Effects of Stress History on Deformation of Sand, with Gerald A. Leonards, GT11:Nov 78:1371: 14170
Dsc: Chandra S. Brahma, GT10:Oct 79:1266: 14867
TR:145:217

Lammie, James L.
Managing Joint Ventures for Large Construction Projects, with D. P. Shah, Preprint No.80-171, Apr 80, 21pp.
Project Management — Pulling It All Together, with D. P. Shah, TE4:July 80:437:15523

LaMotta, Enrique J.
Diffusion and Reaction in Biological Nitrification, with Wen K. Shieh, EE4:Aug 79:655:14759
Errata: EE4:Aug 80:864:15582
TR:145:424

Lampe, Andrew J.
Meeting Off System Safety Needs, HW80:Mar 80: 180

Land, Larry F.
Unsteady Flow Computation for Full Storm Sewer, with Harvey E. Jobson, TN: HY8:Aug 80:1389: 15590
See Harvey E. Jobson, HY4:Apr 79:295:14499

Landau, Uzi
Simplified Modeling of Transit Corridors, with Yaron Fedorowicz, TE1:Jan 80:71:15103
TR:145:490

Landine, Robert C.
See Graham J. Brown, TN: EE4:Aug 80:837:15588

Landweber, Louis
See Sheng T. Hsu, HY11:Nov 80:1783:15830

Lane, Leonard J.
Modeling Channel Processes with Changing Land Use, with George R. Foster, IRKB:July 80:200
See George R. Foster, IRKB:July 80:151

Lang, Martin
Effective Sludge Disposal — A Question of Policy, EE80:July 80:664

Langbein, Walter B.
See George W. Edelen, Jr., CE:Feb 79:89

Lankton, Larry D.
IRT — New York City's First Subway, CE:Nov 79: 71
TR:145:458

Lanyon, Richard
See Irwin Polls, EE1:Feb 80:69:15169

Larkin, Thomas J.
See Peter W. Taylor, GT3:Mar 78:369:13597

La Rochelle, Pierre
See Serge Leroueil, GT6:June 79:759:14657

Larock, Bruce E.
See David R. Schamber, HYCO:Aug 80:345

Larrabee, Richard D.
Upcrossing Rate Solution for Load Combinations, with C. Allin Cornell, ST1:Jan 79:125:14329
TR:145:166

Larsen, David P.
See Donald B. Porcella, EE6:Dec 80:1151:15893

Larsen, Hans J.
Laterally Loaded Timber Columns, with Esko Theilgaard, ST7:July 79:1347:14679
TR:145:348

Larsen, Jesper
Wave Diffraction by Absorbing Wedge, WW4:Nov 79:439:15000
TR:145:627

Larsen, Johannes
See Yusuf G. Mussalli, HY11:Nov 80:1885:15798

Larsen, Leif G.
Deepwater Bottom Supported "Condeep" Terminal Design, with John M. MacDonald, PO80:May 80:339

Larsen, Melvin B.
Liability Implications for Low Volume Rural Highways, TE6:Nov 80:803:15844

Larson
See Curtis L. Moore, IR4:Dec 80:345:15937

Larson, Karl D.
Recent Designs of Inlet Systems for Irrigation Pipelines, IRKA:July 80:291

Larson, Kirke E.
Calculating Overflows from Combined Sewer Systems, EE5:Oct 79:829:14883
Errata: EE5:Oct 80:1004:15717
TR:145:474

Larson, Lory E.
See Roger C. Bales, EE80:July 80:582

Larson, Robert A.
Impact of Federal Highway Policy on County Road Programs, TE1:Jan 79:23:14319
TR:145:119

Larson, Thomas D.
Urban Transportation Financing Today, with William C. Underwood, UT79A:July 79:5

Lathia, Hasmukh M.
Bridge Analysis and Rating System, TC1:Apr 79:211:14538
TR:145:276

Lau, L. Stephen
See Gordon L. Dugan, Preprint No.80-075, Apr 80, 21pp.

Lau, Y. Lam
Booms Used for Oil Slick Control, with James R. Moir, EE2:Apr 79:369:14530
TR:145:316
See Peter Engel, HY3:Mar 80:369:15255
See Peter Engel, TN: HY10:Oct 80:1679:15725

Lauchlan, A. Colin
When in Rome Do as the Romans: Should the Professional and Business Ethics of American Engineers be a Function of the Country in which They Practice, EI3:July 79:167:14719
Dsc: Thiruvenkatachari Viraraghavan, EI3:July 80:323:15510
TR:145:333

Laura, Robert
See Armando I. Perez, HYUS:June 80:347

Laurenson, Eric M.
See P. Erwin Weinmann, HY12:Dec 79:1521:15057

Lauria, Donald T.
Desk Calculator Model for Wastewater Planning, EE1:Feb 79:113:14390
TR:145:242

Laursen, Emmett M.
See David W. Fonken, IR3:Sept 80:203:15694

Lautensleger, Richard W.
See Ernest T. Selig, GT9:Sept 79:1067:14850

Lavania, Bhagwat V.K.
See Erik I. Hjeldnes, GT2:Feb 80:117:15220

Lawley, Gary
The Columbia River Estuary Data Development Program, with Robert J. Moulton and David H. Kent, CZ80:Nov 80:1159

Lawrance, Charles E.
See John E. Holland, SLS:June 80:302
See John E. Holland, SLS:June 80:448

Lawren, Ceila
The #53 Working Group: Local Participation in the Federal OCS Leasing Process, CZ80:Nov 80:1087

Lawrence, Daniel F.
The Salinity Forum: What? How? Why?, with Barry C. Saunders, Preprint No.80-139, Apr 80, 10pp.

Laws, Norman
Viscoelastic Inclusion Problem, EM5:Oct 80:915:15736

Lawson, Clifton E.R.
Dsc, EY1:Apr 80:111:15299, of "Landfill Management for Double Alkali Sulfur Dioxide Scrubber Sludge", EY2:Aug 79:229:14742

Lawyer, Donald E.
Federal Consistency—Is It Working? A Perspective From the Pacific Northwest, CZ80:Nov 80:2123

Layton, Jeffrey A.
Expediting The Coastal Approval Process, with Peter L. Buck, CZ80:Nov 80:1998
Innovative Design Concept for Hydraulic Circulation of Small-Craft Harbors, Preprint No.80-137, Apr 80, 15pp.
See Peter L. Buck, CZ80:Nov 80:1058

Lazarus, Egon
See Christopher B. Cain, Preprint No.80-155, Apr 80, 22pp.

Lazopoulos
See G. J. Simitses, EM81:Jan 81:477

Leadon, Bernard M.
Pressures on Curtain Wall with External Mullions, with Michael L. Kownacki, EM4:Aug 79:515:14732
Dsc: Theodore Stathopoulos, EM4:Aug 80:854: 15583
TR:145:308

Leake, Gerald R.
See John R. Underwood, TE6:Nov 77:763:13343

Lean, George H.
Modeling Two-Dimensional Circulating Flow, with T. John Weare, HY1:Jan 79:17:14312
Dsc: Victor Miguel Ponce and Yung Hai Chen, HY11:Nov 79:1469:14935
Clo: HY10:Oct 80:1693:15721
TR:145:187

Leatherman, Stephen P.
Barrier Island Management, CZ80:Nov 80:1470

Leathers, Rex C.
Safety Aspects of the Bridge Reconstruction and Rehabilitation Program, HW80:Mar 80:165

LeBaron, Allen
See John E. Keith, WR1:Mar 79:161:14416

Leckie, James O.
Landfill Management with Moisture Control, with John G. Pacey and Constantine Halvadakis, EE2: Apr 79:337:14533
TR:145:321
See Angelos N. Findikakis, EE5:Oct 79:927:14896

Ledbetter, Richard H.
General Deformation (Elastic and Inelastic) and Stresses Beneath Plates and Wheels, Preprint No.80-668, Oct 80, 13pp.

Lee, G. Fred
Persistence of Chlorine in Cooling Water from Electric Generating Station, EE4:Aug 79:757:14777
TR:145:451
See H. Kirk Horstman, EE80:July 80:144

Lee, Jieh
See Ashish J. Mehta, HY11:Nov 80:1727:15795

Lee, Joseph H.W.
Heat Recirculation Induced by Thermal Diffusers, with Gerhard H. Jirka and Donald R.F. Harleman, HY10:Oct 79:1219:14929
TR:145:478
Near Field Mixing of Staged Diffuser, HY8:Aug 80: 1309:15654
Dsc, with Gerhard H. Jirka, EE4:Aug 79:790:14720, of "Horizontal Buoyant Jets in Quiescent Shallow Water", EE4:Aug 78:717:13943

Lee, Jun Wai
Limit Truss Analysis by Linear Programming Techniques, with H. Gordon Jensen, Preprint No.80-006, Apr 80, 22pp.
Stability Analysis of Large Spatial Frame Structures, with Alain H. Peyrot and Jerome G. Dees, Preprint No.80-606, Oct 80, 22pp.

Lee, Kenneth L.
See Francis Dumas, GT8:Aug 80:877:15655

Lee, Kuantsai
See Gilliane C. Sills, GT7:July 80:830:15511

Lee, Li Chi
See Stuart D. Werner, ST12:Dec 79:2547:15059

Lee, Louis H.Y.
Flow Visualization in Complex Turbulent Flows, with Joseph A. Clark, HY2:Feb 80:247:15209
TR:145:587

Lee, Louis J.
Sea Cliff Erosion in Southern California, CZ80:Nov 80:1919
Sunset Cliffs Stabilization San Diego, California, with Walter Crampton, CZ80:Nov 80:2271

Lee, Michael C.
Mathematical Modeling of Humic Substances Removal with Activated Carbon Beds, with John C. Crittenden, Vernon L. Snoeyink and William E. Thacker, EE80:July 80:387

Lee, Pai Mow
See Clyde C.K. Kwok, HY7:July 79:845:14697

Lee, Peter Y.
The Behavior of Steel Rocket Shaped Pile, with Lawrence W. Gilbert, GTDF:80:253

Lee, Seng-Lip
See Salem D. Ramaswamy, GT8:Aug 79:957:14787

Lee, Shaw-Ming
See Michael P. Cleary, EM5:Oct 80:861:15769

Lee, Vance G.
See William E. West, IRKA:July 80:431

Lee, Vincent W.
Response of Tunnels to Incident SH-Waves, with Mihailo D. Trifunac, EM4:Aug 79:643:14749
TR:145:366

Lefebvre, Ligouri M.
Winter Roads and Ice Bridges, CE:Dec 79:54
TR:145:513

Leffler, Robert J.
See Raymond A. Smith, WW3:Aug 80:335:15614

LeGath, Joseph S.
Interagency Permit Review Lessons of Experience, with Robert L. Lippson, CZ80:Nov 80:1638

Legget, Robert F.
Geology and Geotechnical Engineering, GT3:Mar 79: 339:14444
Dsc: Richard J. Proctor, GT5:May 80:583:15378; Ronald J. Tanenbaum, GT5:May 80:585:15378
Clo: GT5:May 80:586:15378
TR:145:336

Lehmkamper, Otto
See Ihsan Mungan, ST10:Oct 79:1999:14917

Leipholz, Horst H.
See Mohamed Abdel-Rohman, ST8:Aug 78:1251: 13964
See Mohamed Abdel-Rohman, EM6:Dec 79:1007: 15047
See Mohamed Abdel-Rohman, EM1:Feb 80:57:15192
See Mohamed Abdel-Rohman, ST3:Mar 80:663: 15260

Leiser, Andrew T.
See Donald H. Gray, CE:Jan 80:82

Leko, Toma
Dsc, TN: EM4:Aug 80:855:15583, of "Shear Centers", TN: EM5:Oct 79:893:14871

Lele, V. S.
See V. M. Shaligram, HY1:Jan 80:213:15097

Lelievre, B.
See H. B. Poorooshasb, Preprint No.80-543, Oct 80, 14pp.

LeMehaute, Bernard
See Armando I. Perez, HYUS:June 80:347

Lemer, Andrew C.
Land Data Systems for Transport Planning in Undeveloped Areas, with Robert W. Felsburg, SU80:June 80:129

Lemley, J. K.
Identification and Nature of Risks—B, CRLS:Jan 79: II-28

Lenau, Charles W.
Confined Flow in Aquifer Containing Thin Layer, EM4:Aug 80:719:15630
Supercritical Flow in Bends of Trapezoidal Section, EM1:Feb 79:43:14369
TR:145:163

Lennon, Gerard P.
See Philip La-Fan Liu, WW2:May 78:175:13719

Lenocker, W. Tracy
See Muthusamy Krishnamurthy, HYUS:June 80:92

Leonard, John W.
Convergence Acceleration Method for Oceanic Cables, Preprint No.80-131, Apr 80, 22pp.
See Habid U. Ahmed, EM1:Feb 79:91:14371
See David Chia-Chiun Ma, EM2:Apr 79:207:14508

Leonards, Gerald A.
Dynamic Compaction of Granular Soils, with William A. Cutter and Robert D. Holtz, GT1:Jan 80:35: 15144
TR:145:641
Dsc, GT1:Jan 79:95:14269, of "Foundation Performance of Tower of Pisa", GT3:Mar 77:227: 12814
See James R. Lambrechts, GT11:Nov 78:1371:14170

Leroueil, Serge
Behavior of Destructured Natural Clays, with Francois A. Tavenas, Francoise Brucy, Pierre La Rochelle and Marius Roy, GT6:June 79:759:14657
TR:145:422

Leschine, Thomas M.
Wetlands Regulations and Public Perceptions, with Stephen R. Cassella, CZ80:Nov 80:1789

Leschziner, Michael A.
Calculation of Strongly Curved Open Channel Flow, with Wolfgang Rodi, HY10:Oct 79:1297:14927
Dsc: Werner Gotz, HY10:Oct 80:1713:15721
TR:145:473

Leshendok, Thomas V.
See Orville R. Russell, TE2:Mar 79:185:14467

Lestingi, Joseph
See Senol Utku, Preprint No.80-061, Apr 80, 21pp.

Letherbury, John B.
Dsc, CE:Nov 80:26, on Part Two: Basics in Failure Analysis of Large Structures, CE:July 80:60

Letterman, Raymond D.
Economic Analysis of Granular-Bed Filtration, EE2: Apr 80:279:15337
TR:145:695

Levandowsky, M.
See S. Roychowdhury, EE80:July 80:75

Levi, Enzo
Three-Dimensional Wakes: Origin and Evolution, EM4:Aug 80:659:15618

Levine, Elliot P.
See Danilo J. Santini, Preprint No.80-672, Oct 80, 16pp.

Levine, Paul E.
Soil Chemistry Changes at Rapid Infiltration Site, with Ronald W. Crites and James V. Olson, EE5: Oct 80:869:15767
See James V. Olson, EE5:Oct 80:885:15768

Levine, Philip I.
Dsc, CE:Sept 79:36, on Nuclear Wastes: Safe Way to Dispose Them Underground Forever, CE:May 79: 72

Levine, W.
See David R. Schelling, CP80:June 80:418

Levitt, Raymond E.
Allocating Risk and Incentive in Construction, with David B. Ashley and Robert D. Logcher, CO3:Sept 80:297:15710
Cost Impacts of Prevailing Wage Laws in Construction, with Clinton C. Bourdon, CO4:Dec 79:281:15019
TR:145:476
A Quantitative Method for Analyzing the Allocation of Risks in Underground Construction, CRLS:Jan 79:II-201
Union Versus Nonunion Construction in the U.S., with Clinton C. Bourdon, CO4:Dec 79:289:15020
Dsc: Donald S. Barrie, CO4:Dec 80:614:15863
TR:145:476
See Robert D. Logcher, EI1:Jan 79:7:14302

Lew, Hai S.
West Virginia Cooling Tower Collapse Caused by Premature Form Removal, CE:Feb 80:62
TR:145:604

Lew, Marshall
Microzonation in Wind Engineering, with Gary C. Hart, ST6:June 79:975:14631
TR:145:293

Lewandowski, Edward R.
Metrication at the Water and Power Resources Service, Preprint No.80-086, Apr 80, 11pp.
Technical Aspects of Metric Construction, Preprint No.80-516, Oct 80, 12pp.

Lewis, F. D.
See J. I. Craig, EM81:Jan 81:102

Lewis, Gunter H.
See F. B. Couch, Jr., CE:Oct 80:154

Leyendecker, E. V.
See Bruce R. Ellingwood, ST3:Mar 78:413:13610

Leytham, K. M.
Techniques For The Generation of Long Streamflow Sequences, with Delbert D. Franz, EFHYF:Mar 79: 20

Li, Gordon C.
Vibration Analysis of Planar Structures, with Chandrakant S. Desai, TN: ST8:Aug 80:1813:15591

Li, Ruh-Ming
Modeling Rill Density, with Victor Miguel Ponce and Daryl B. Simons, TN: IR1:Mar 80:63:15230
Turbulence Prediction in Open Channel Flow, with James D. Schall and Daryl B. Simons, HY4:Apr 80: 575:15347
TR:145:637
See Daryl B. Simons, HY5:May 79:477:14576
See Nicholas Kouwen, HY6:June 80:1085:15464

Liang, David H.
Bipopulation Approach to CMAS-Process Simulation, with Ping-Yi Yang and Tung Liang, EE5:Oct 79: 905:14914
TR:145:519

Liang, Li-Shiang
Simulation of Lime-Soda Softening, with Irvine W. Wei and Henry G. Sideropoulos, EE5:Oct 80:935: 15756

Liang, Ta
See Thomas L. Erb, AS80:Aug 80:15

Liang, Tung
See David H. Liang, EE5:Oct 79:905:14914

Liauw, Te-Chang
Torsion of Core Walls of Nonuniform Section, with Wang-Kwong Luk, ST9:Sept 80:1921:15707
Dsc, ST1:Jan 80:364:15098, of "Infilled Walls for Earthquake Strengthening", ST2:Feb 79:283:14364

Liggett, James A.
Dsc, HY4:Apr 79:436:14472, of "Varied Flow Functions for Circular Channels", HY7:July 78:983: 13889
See Philip La-Fan Liu, HY3:Mar 79:171:14419
See Olurinde E. Lafe, HY6:June 80:977:15467
See James R. Salmon, HY12:Dec 80:1995:15932

Light, Mark C.
See Paul H. Wirsching, ST7:July 80:1593:15574

Lilhanand, Kiat
See Loren D. Lutes, EM1:Feb 79:143:14391

Lillievang, Omar J.
Award for 1980 to be given this Month: Moffatt-Nichol Award, CE:Oct 80:152

Lin, C.-W.
Interaction Effects Of Reactor System And Its Supports, with D. T. Tang and F. Loceff, EM81:Jan 81:609

Lin, Henry H.C.
See Loring E. Hanson, HYCO:Aug 80:51

Lin, Hsin-Chi
See Chao-Lin Chiu, HY8:Aug 78:1119:13963

Lin, Kuran-Chow
See Graham J. Brown, TN: EE4:Aug 80:837:15588

Lin, Samuel P.
See Clemence L. Cameron, PO80:May 80:455

Lin, T. Y.
See Felix Kulka, Preprint No.80-636, Oct 80, 14pp.

Lin, Y. K.
Column Response to Horizontal-Vertical Earthquakes, with Teng-Yuan Shih, EM6:Dec 80: 1099:15896
Motion of Suspension Bridges in Turbulent Winds, EM6:Dec 79:921:15044
TR:145:470
See Jann-Nan Yang, EM4:Aug 80:801:15642

Lind, Niels C.
Models of Human Error in Structural Reliability, Preprint No.80-082, Apr 80, 20pp.
Optimal Reliability Analysis by Fast Convolution, EM3:June 79:447:14648
Dsc: Pierre Dumonteil, EM2:Apr 80:420:15298; Ove Ditlevsen and Henrik O. Madsen, EM3: June 80:579:15442
TR:145:289
See Andrzej S. Nowak, ST12:Dec 79:2497:15061
See Mircea Grigoriu, EM6:Dec 80:1349:15940

Lindberg, Herbert E.
See Timothy C. Kennedy, EM6:Dec 78:1313:14245
See John R. Bruce, EM81:Jan 81:111

Lindgren, Soren
Shear Flexibility, TN: ST10:Oct 79:2117:14873
Errata: TN: ST6:June 80:1387:15446

Lindholm, Raymond H.
San Antonio Freeway: Social-Impact Landmark, with Malcolm L. Steinberg, CE:June 80:80
TR:145:718

Lindstedt-Siva, June
Preparing for Oil Spills in the Delaware River Estuary, CZ80:Nov :294

Ling, Sung C.
Microdropiets and Transport of Moisture from Ocean, with Timothy W. Kao and Alice I. Saad, EM6:Dec 80:1327:15923

Lingle, R.
See M. Board, Preprint No.80-167, Apr 80, 18pp.

Lingo, E. W.
See Curtis J. Roos, GTDF:80:365

Link, Lewis E., Jr.
Aquatic Plant Mapping by Remote Sensing, with K. S. Long, ASDC:80:34
Energy Loss Surveys Using Thermal IR Technology, ASDC:80:259
Energy Loss Surveys Using Thermal IR Technology, AS80:Aug 80:123

Linky, Edward J.
New Tools for Resolving Conflicts in Port Planning, with Bruce H. Hoff, CZ80:Nov 80:881

Linse, Diethelm
See Kurt Berlin Gerstle, EM6:Dec 80:1383:15945

Linsley, Ray K.
Hydrology and Water Resources Planning: 1776-1976, WR1:Mar 79:113:14412
Dsc: George H. Hickox, WR2:Sept 79:443:14797
TR:145:103
Two Centuries of Water Planning Methodology, WR1:Mar 79:39:14405
TR:145:101

Lipetz, Morton B.
Sources of Computers for Small Engineering Firms, CP80:June 80:592

Lipinski, Martin E.
Neighborhood Traffic Controls, TE3:May 79:213: 14558
Dsc: Eoghan C. Brangan, TE3:May 80:368:15381
Clo: Martin E. Lipinski, TE6:Nov 80:857:15787
TR:145:188

Lipinski, Romuald E.
See James F. Costello, ST11:Nov 79:2474:14936

Lippman, Sandra S.
Baltimore: Public Involvement as Part of Planning, CAAA:Nov 79:369

Lippson, Robert L.
See Joseph S. LeGath, CZ80:Nov 80:1638

Lipson, Samuel L.
Optimal Design of Arches Using the Complex Method, with Muhammad I. Haque, ST12:Dec 80: 2509:15947

Lischer, Vance C.
Dsc, EE6:Dec 78:1316:14192, of "Optimization in Design of Pumping Systems", EE1:Feb 78:127: 13543
Dsc, HY1:Jan 79:113:14270, of "Optimal Design of Water Distribution Networks", HY2:Feb 78:237: 13568

Liss, Harvey H.
CAD System Developed by Urban Design Firm, CP80:June 80:619

List, Ericson J.
See J.-C. Chen, HY10:Oct 80:1720:15721

Little, Douglas R.
Dsc, CE:June 80:28, on Energy Conservation: Long-Overlooked Cheap Source of Energy, CE:Dec 79: 77

Liu, Henry
Aerospace Technology for Freight Pipelines, with Donald L. Gibson, MGC:July 80:97
Modified Fickian Model for Predicting Dispersion, with Alexander H.D. Cheng, HY6:June 80:1021: 15454
TR:145:702
See Hua Wang, TE2:Mar 80:171:15263

Liu, Jen Y.
Shear Strength of Wood Beams: A Weibull Analysis, ST10:Oct 80:2035:15770

Liu, Philip La-Fan
Boundary Solutions to Two Problems in Porous Media, with James A. Liggett, HY3:Mar 79:171: 14419
TR:145:222
Finite Element Modeling of Nearshore Currents, with Gerard P. Lennon, WW2:May 78:175:13719
Dsc: Nicholas C. Kraus and Tamio O. Sasaki, WW3:Aug 79:337:14725
TR:145:81
See Olurinde E. Lafe, HY6:June 80:977:15467
See James R. Salmon, HY12:Dec 80:1995:15932

Livneh, Moshe
See Abishai Polus, TE5:Sept 79:549:14851
See Amos Komornik, SLS:June 80:206

Loceff, F.
See C.-W. Lin, EM81:Jan 81:609

Lockhart, Charles W.
See Ernest T. Selig, GT9:Sept 79:1067:14850

Lockwood, Gary
New Approach to Storm Drainage Pipe Design, CE: Mar 80:59
TR:145:615

Lofquist, Karl
Dsc, WW3:Aug 80:425:15587, of "Sand Bed Friction Factors for Oscillatory Flows", WW3:Aug 79:229: 14754

Loftis, Jim C.
See Ronald L. Elliott, IR4:Dec 80:321:15913

Logan, Darly L.
See Daryl E.O. Widera, EM6:Dec 80:1053:15933

Logan, Daryl L.
Analysis of Ring Loaded Laminated Plastic Cylindrical Shells, with G. E.O. Widera, Preprint No.80-573, Oct 80, 14pp.
Refined Theories for Nonhomogeneous Anisotropic Cylindrical Shells: Part II-Aplication, with G. E.O. Widera, EM6:Dec 80:1075:15934

Logani, K. L.
Construction on Expansive Rock, SLS:June 80:496
Dsc: Donald P. Richards, SLS:June 80:749

Logcher, Robert D.
Management Impacts on Labor Productivity, with William W. Collins, CO4:Dec 78:447:14235
Dsc: Abdul Wahab Ahmed Rizk, CO4:Dec 79: 404:15005
Clo: CO3:Sept 80:433:15661
TR:145:198
Organization and Control of Engineering Design Firms, with Raymond E. Levitt, EI1:Jan 79:7:14302
TR:145:126
See Richard H. Long, TC1:Aug 80:129:15622
See Raymond E. Levitt, CO3:Sept 80:297:15710

Loh, Ian
See Bob Hebbert, HY5:May 79:533:14593

Lohani, B. N.
Probabilistic Water Quality Control Policies, with N. C. Thanh, EE4:Aug 79:713:14761
TR:145:433

Loi, Francis Tin
Deflection Bounding at Shakedown, TN: ST5:May 80:1209:15384

Loire, Rene
A New Type of Single Point Mooring: "Proud", PO80:May 80:369

Lomas, David A.
See George E. Hart, IRKB:July 80:311

Londot, Larry
See Alfred G. Bishara, ST1:Jan 79:147:14325

Long, A. B.
Hydraulic Features from River Flood Photography, ASDC:80:76

Long, Gordon H.
Retracement Surveys in the Pacific Northwest Coast Range, Preprint No.80-070, Apr 80, 15pp.

Long, K. S.
See Lewis E. Link, Jr., ASDC:80:34

Long, Leonard O.
Dsc, GT5:May 80:474:15378, of "Uplift Testing of Model Drilled Shafts in Sand", GT1:Jan 79:31: 14301

Long, Richard H.
Adaptive Management Information System, with James J. Kotanchik and Robert D. Logcher, TC1: Aug 80:129:15622

Longinow, Anatole
Selection of Critical Bridges for Retrofitting, with James D. Cooper and Ernest Bergmann, TC1:Apr 79:197:14542
TR:145:320
Ultimate Resistance of a Full-Scale Floor System, with R. P. Joyce, Preprint No.80-083, Apr 80, 24pp.
Dsc, ST6:June 79:1215:14602, of "Finite Element Model for Masonry", ST8:Aug 78:1267:13957

Longlais, Thomas G.
See Sukhmander Singh, Preprint No.80-647, Oct 80, 20pp.

Longley, Thomas S.
Indian Water Rights in Idaho, WR2:July 80:439:15528

Longord, Letitia C.
Waterfront Policy: Responding to Local Needs, with Irene L. Murphy, CZ80:Nov 80:256

Loofbourow, Robert L.
Dsc, CE:Nov 79:34, on Nuclear Wastes: Safe Way to Dispose Them Underground Forever, CE:May 79:72

Loomis, Raymond H.
See Robert S. Loomis, ST1:Jan 80:211:15124

Loomis, Richard W.
See Robert S. Loomis, ST1:Jan 80:211:15124

Loomis, Robert S.
Torsional Buckling Study of Hartford Coliseum, with Raymond H. Loomis, Robert W. Loomis and Richard W. Loomis, ST1:Jan 80:211:15124
Dsc: Howard I. Epstein, ST10:Oct 80:2134:15722; Earling A. Smith, ST10:Oct 80:2134:15722
TR:145:556

Loomis, Robert W.
See Robert S. Loomis, ST1:Jan 80:211:15124

Looper, Robert D.
Calibration and Application of a Watershed Planning Model, HYUS:June 80:152

Lopez, Jose L.
See Yung Hai Chen, HY12:Dec 78:1605:14250

Lopez, Leonard A.
Software Problems in University Environment, TC2:Dec 79:385:15029
TR:145:395
See Daniel R. Rehak, TC1:Apr 79:33:14504

Lopez, Oscar A.
Gravity Load and Vertical Ground Motion Effects on Earthquake Response of Simple Yielding Systems, with Anil K. Chopra, EM4:Aug 79:525:14735
TR:145:321

Lorang, Philip
See Thomas Cackette, CAAA:Nov 79:76

Lorence, James C.
See John L. Cleasby, EE4:Aug 78:749:13967
See John L. Cleasby, CE:Oct 80:144

Losh, Linus B.
Water Management Improves with Systems Application, CE:Aug 79:54
TR:145:335

Lott, Jerry L.
See John J. Closner, PO80:May 80:469

Loucks, Daniel P.
See Peter N. French, WR1:Mar 80:21:15235
See Peter N. French, EE80:July 80:138

Loukes, David
A User's Experience with New Zealand ICES Software, CP80:June 80:678

Loutzenheiser, Roy C.
Bring Traffic Engineering to Southwest Kansas, Preprint No.80-583, Oct 80, 13pp.

Love, Gerald D.
Sulfur: Potential Pavement Binder of the Future, TE5:Sept 79:525:14835
Dsc: Gordon K. Ray, TE4:July 80:490:15514; Charles R. Foster and Richard W. Smith, TE6:Nov 80:857:15787
TR:145:376

Lovell, Charles William
See Ignacio Garcia-Bengochea, GT7:July 79:839:14686
See James C. Scott, GT11:Nov 79:1273:14987

Lowry, G. Kem, Jr.
Evaluation and Inter-Governmental Relations in CZM, with Norman H. Okamura, CZ80:Nov 80:429

Lu, Zung-An
Dynamic Analysis of Cable-Hung Ruck-A-Chucky Bridge, ST10:Oct 79:2009:14918
TR:145:431

Lucas, G.M. C.
Dsc, Skyway Bridge Disaster—Whose Fault?, CE:Sept 80:40

Lucks, Albert Stanley
See Eduardo Kausel, GT12:Dec 79:1471:15065

Luco, J. E.
See Asadour H. Hadjian, EM81:Jan 81:217

Ludwig, Harald P.
See Raymond N.Y. Yong, GT10:Oct 79:1193:14903

Ludwig, Klaus R.
James Powerhouses—Layout and Design Criteria, with Richard T. Olive, EY2:Oct 80:235:15771

Ludwig, Russell G.
Dsc, CE:Dec 79:35, on Honolulu Sewage Plant Pioneers Advanced Primary Treatment, Has Deepest Ocean Outfall, CE:June 79:76
Dsc, CE:Jan 80:32, on Will EPA Relax Its Mandatory Secondary Treatment Requirement?, CE:June 79:88

Luesener, John W.
See Christopher B. Cain, Preprint No.80-155, Apr 80, 22pp.

Luft, Rene W.
Analysis of Floating Bridges: The Hood Canal Bridge, EM81:Jan 81:1
Dsc, GT6:June 80:727:15443, of "Liquefaction Potential: Science Versus Practice", GT3:Mar 79:393:14418
See Robert V. Whitman, ST7:July 80:1573:15564

Luk, Wang-Kwong
See Te-Chang Liauw, ST9:Sept 80:1921:15707

Lukas, Robert G.
Densification of Loose Deposits by Pounding, GT4:Apr 80:435:15376

TR:145:710

Lukens, Robert James
See Christopher S. Welch, PO80:May 80:614

Lum, Leighton
Optimizing Cooling Policy for System Power Plant, with Larry W. Mays, EY1:Jan 79:137:14334
TR:145:257

Lunch, Milton F.
Dsc, EI1:Jan 80:70:15096, of "Competition and Professional Ethics", EI3:July 79:137:14700

Lund, Le Val
Lifeline Economics and Hazard Mitigation, C080:80:78

Lundgren, Harry R.
See Jan J. Tuma, EM5:Oct 79:915:14866

Lundie, James C.
See Shahnawaz Ahmad, EE80:July 80:122

Lunne, Tom A.
See James K. Mitchell, GT7:July 78:995:13901

Lutes, Loren D.
First-Passage Approximations for Simple Oscillators, with Yu-Tang Tom Chen and Shen-Ho Tzuang, EM6:Dec 80:1111:15894
Frequency Content in Earthquake Simulation, with Kiat Lilhanand, EM1:Feb 79:143:14391
TR:145:198
See Polihronis-Thomas Demetriou Spanos, EM2:Apr 80:213:15313

Luthin, James N.
See Zachary M. Kasomekera, IRKA:July 80:120

Luthy, Richard G.
Biological Oxidation of Coke Plant Effluent, with Lisa D. Jones, TN: EE4:Aug 80:847:15588
Biological Treatment of Synthetic Fuel Wastewater, with Deborah J. Sekel and James T. Tallon, EE3:June 80:609:15459
TR:145:715
Leach Characteristics of Coal-Gasification Char, with Pantelis Vassiliou and Mark J. Carter, EE1:Feb 80:81:15171
TR:145:613

Lutz, Gale A.
See Herbert H. Stevens, Jr., TN: HY4:Apr 80:611:15305

Lybas, John M.
Response of Coupled Walls to Earthquake Loading, Preprint No.80-541, Oct 80, 11pp.

LyFord, Gordon
Plan Better Irrigation Systems With IMS Techniques, with Monte McVay, IRKA:July 80:243

Lyles, Richard W.
Modal Split Model Considering Carpool Mode, TE2:Mar 79:149:14423
TR:145:136

Lynam, Bart T.
Managing Storm Runoff in Chicago Area, with Forrest C. Neil and Frank E. Dalton, TC2:Dec 79:401:15035
TR:145:409

Lynch, Daniel R.
Dsc, WW3:Aug 80:425:15587, of "Moving Boundary Numerical Surge Model", WW3:Aug 79:247:14758

Lynch, James A.
See Keith E. Mussallem, IRKB:July 80:669

Lynch, John
RCRA Implementation and the Environmental Engineer's Role, EE80:July 80:199

Lynch, Tim
Comments, CAAA:Nov 79:407

Lynn, Paul P.
See Hassoun A. Hadid, ST7:July 80:1609:15570

Lynne, Gary D.
Crop Response Information for Water Institutions, with Roy R. Carriker, IR3:Sept 79:221:14814
Dsc: S. A. Hatchett, B. K. Stevens and H. J. Vaux, Jr., IR3:Sept 80:259:15664
TR:145:408

Lyon, Walter A.
See Franklin L. Kury, EI4:Oct 78:355:14044

Lytle, R. Jeffrey
See Edwin F. Laine, GT7:July 80:759:15556
See Edwin F. Laine, GT8:Aug 80:871:15649

Lytton, R. L.
See Leonard Krazynski, SLS:June 80:683
See D. R. Snethen, SLS:June 80:717

Lytton, Robert L.
Creep Damage to Structures on Expansive Clay Slopes, with Larry D. Dyke, SLS:June 80:284

Ma, David Chia-Chiun
Slack-Elasto-Plastic Dynamics of Cable Systems, with John W. Leonard and Kuang-Han Chu, EM2:Apr 79:207:14508
TR:145:226

Macagno, Enzo
See David Stavitsky, EM4:Aug 80:677:15619
See David Stavitsky, HY12:Dec 80:1973:15922

Macdonald, Bruce D.
Moment Connections Weakened by Laminations, ST8:Aug 79:1605:14776
TR:145:375

Macdonald, J. Alasdair
See Donald W. Knight, HY6:June 79:675:14635
See Donald W. Knight, HY9:Sept 79:1167:14839

MacDonald, John M.
See Leif G. Larsen, PO80:May 80:339

MacDonald, Thomas C.
See James S. Jenks, HYUS:June 80:405

Macgowan, C. John
Traffic Signal Transition in Computerized Systems, CP80:June 80:505

MacGregor, James G.
Stability Analysis and Design of Concrete Frames, with Sven E. Hage, ST10:Oct 77:1953:13280
TR:145:18
See Sher Ali Mirza, ST4:Apr 79:751:14495
See Sher Ali Mirza, ST5:May 79:921:14590
See Sher Ali Mirza, ST6:June 79:1021:14628

Machado, Paulo
See Philip B. Bedient, EE2:Apr 80:421:15336

Machemehl, Jerry L.
Joint Utilization of Utility Corridors, Preprint No.80-114, Apr 80, 22pp.

See M. Aziz Tayfun, HYUS:June 80:15
See T. C. Gopalakrishnan, HYUS:June 80:125
See Jing Song Wei, HYUS:June 80:205

Machisko, John A.
See Robert M. Clark, EE1:Feb 79:89:14365

MacInnes, Campbell D.
Stochastic Design of Flow Equilization Basins, with Andrew C. Middleton and Kazimierz Adamowski, EE6:Dec 78:1275:14251
Dsc: Subhash Chander, Arun Kumar and Sushil K. Goyal, EE1:Feb 80:247:15158
Clo: EE4:Aug 80:861:15582
TR:145:176

Macko, Christine Ann
Organics Removal by Ion Exchange-Process Design, with Walter J. Maier, EE80:July 80:394

MacPherson, Hugh
Wave Forces on Pipeline Buried in Permeable Seabed, WW4:Nov 78:407:14187
Errata: WW4:Nov 79:484:14940
TR:145:218

Maddaus, William O.
Effect of Water Conservation on Water Demands, with Donald L. Feuerstein, WR2:Sept 79:343:14853
TR:145:254

Maddison, Donald
Honolulu International Airport Master Plan Study, MGC:July 80:65

Mades, Dean M.
See George W. Tauxe, WR1:Mar 80:225:15240

Madhav, Madhira R.
See Prabir K. Basudhar, TN: GT4:Apr 80:470:15304

Madsen, Bruce B.
Examples of Good Local Programs—Oakland Co., Mich., HW80:Mar 80:190

Madsen, Henrik O.
See Ove Ditlevsen, EM3:June 80:579:15442
See Carl J. Turkstra, ST12:Dec 80:2527:15938

Madsen, John D.
Professional Construction Management Services, CO2:June 79:139:14624
Dsc: Blair Birdsall, CO1:Mar 80:98:15223
Clo: CO4:Dec 80:613:15863
TR:145:347

Maevis, Alfred C.
Construction Cost Control by the Owner, CO4:Dec 80:435:15915
Identification and Nature of Risks—C, CRLS:Jan 79: II-35

Maffet, Bennie
Highway Safety Challenges of the 80's, HW80:Mar 80:54

Magalhaes, M. Pinto de
Biaxially Loaded Concrete Sections, ST12:Dec 79: 2639:15058
TR:145:483

Magoon, Orville T.
Dsc, WW1:Feb 79:102:14357, of "Virtual Mass of Coarse Granular Media", WW2:May 78:191:13734
See Donald D. Treadwell, PO80:May 80:801

Mahan, Jeffrey S.
Water Resources Implications of Energy Development, with Jay D. White, EY1:Apr 80:45: 15366
TR:145:591

Maher, Francis J.
Aerodynamic Response of Long H-Sections, with Larry E. Wittig, ST1:Jan 80:183:15105
TR:145:526

Maher, Richard P.
Complex Problems with Separate Contracts System, CO2:June 79:129:14614
Dsc: John A. Havers, CO1:Mar 80:95:15223; Haim Schlick, CO2:June 80:234:15440
Clo: CO4:Dec 80:611:15863
TR:145:334
Construction Contract Study in Technical Education, CO1:Mar 79:41:14446
TR:145:309
Photographic Record and Time Delays, CO3:Sept 80: 341:15674

Maher, Thomas
See Kevin J. Phillips, HYUS:June 80:228

Mahin, Stephen A.
Computer Controlled Seismic Performance Testing, with Mary E. Williams, EM81:Jan 81:616
See Egor P. Popov, ST11:Nov 79:2261:14982
See Egor P. Popov, Preprint No.80-135, Apr 80, 18pp.
See Egor P. Popov, ST12:Dec 80:2375:15918

Mahmood, Khalid
Spurious Correlation in Dimensional Analysis, with M. M. Siddiqui, EM1:Feb 80:93:15198
Dsc: Joe C. Willis, EM6:Dec 80:1447:15865
TR:145:535

Mahmoud, Tariq A.
Expanded Polystyrene Spheres as Evaporation Suppressors, with Natiq K. Bashi, IR3:Sept 80:163: 15689

Mahr, Daniel
See A. T. Yu, PO80:May 80:126

Maier, Walter J.
See Christine Ann Macko, EE80:July 80:394

Maierhofer, Charles R.
Ten are Elevated to ASCE Honorary Membership, CE:Oct 80:142

Maiero, David J.
See Wesley L. Bradford, EE5:Oct 78:981:14100

Maison, Bruce F.
Cyclic Response Prediction for Braced Steel Frames, with Egor P. Popov, ST7:July 80:1401:15534

Maitland, James K.
Model Study of Circular Sheetpile Cells, with Warren L. Schroeder, GT7:July 79:805:14712
Errata: GT8:Aug 80:962:15584
TR:145:460
See Warren L. Schroeder, GT7:July 79:823:14713

Mak, King K.
Recent Safety Developments in Vehicles, HW80:Mar 80:199

Makdisi, Faiz I.
Simplified Procedure for Estimating Dam and Embankment Earthquake-Induced Deformations, with H. Bolton Seed, GT7:July 78:849:13898

Dsc: Antonio J.C. Mineiro, GT5:May 79:708: 14549
Clo: GT3:Mar 80:337:15224
TR:145:124
Simplified Procedure for Evaluating Embankment Response, with H. Bolton Seed, GT12:Dec 79:1427: 15055
TR:145:615

Mal, Natthi
See Amrik S. Chawla, HY3:Mar 79:257:14464

Malcolm, David J.
Optimum Cable Configuration for Air-Supported Structures, with Peter G. Glockner, ST2:Feb 79: 421:14381
TR:145:185
See O. G. Vinogradov, Preprint No.80-101, Apr 80, 15pp.
See O. G. Vinogradov, EM81:Jan 81:338

Males, Richard M.
ADAPT: The Use of Complex Models with a Geographic Data Base, SU80:June 80:215
See Robert M. Clark, SU80:June 80:142

Malinak, James
See Richard P. Ray, GTDF:80:459

Mallikarjuna, B. P.
Dsc, ST1:Jan 80:362:15098, of "Stability of Guyed Towers", ST1:Jan 79:163:14327

Maloney, William F.
Dsc, CO4:Dec 80:618:15863, of "Improving Motivation and Productivity on Large Projects", CO1:Mar 80:73:15272
Dsc, CO4:Dec 80:620, of "Motivating Foremen on Large Construction Projects", CO1:Mar 80:29: 15276

Mancill, R. T., Jr.
Bridge Pier Protective Systems, with K. N. Derucher, PO80:May 80:778

Mandal, Satya Narayan
See Gwynne Davies, ST3:Mar 79:589:14453

Mandel, James A.
See Paul J. Brennan, ST5:May 79:875:14585

Manea, Sanda
See Silvan Andrei, SLS:June 80:76

Mangum, S. E., Jr.
See Kenneth B. Strange, SU80:June 80:202

Mann, Allan P.
Lack of Fit in End-Plate Connections, with Linden J. Morris, Preprint No.80-179, Apr 80, 25pp.
Limit Design of Extended End-Plate Connections, with Linden J. Morris, ST3:Mar 79:511:14460
Dsc: Natarajan Krishnamurthy, ST2:Feb 80:573: 15162
TR:145:224

Manning, Edward T., Jr.
See John G. Janssen, CP80:June 80:670

Mansell, Donald S.
See Milija Pavlovic, ST10:Oct 80:2077:15766

Mansur, M. Abdul
Concrete Beams with Small Opening under Torsion, with A. Hasnat, ST11:Nov 79:2433:14970
TR:145:451
Torsion in Spandrel Beams, with B. Vijaya Rangan, ST7:July 78:1061:13861
Dsc: Thomas T.C. Hsu and C. S. Hwang, ST9: Sept 79:1858:14795
Clo: ST5:May 80:1221:15380
TR:145:61

Mantz, Peter A.
Low Sediment Transport Rates Over Flat Beds, HY7: July 80:1173:15526

Manz, Peter E.
Development of a Dynamic Stormwater Management System, HYUS:June 80:163

Manzi, Joseph E.
Dsc, CE:Oct 79:28, on Construction Risk: Who Pays?, CE:Apr 79:64

Mao, K. T.
See David M. Snyder, EFHYF:Mar 79:400

Maquoi, Rene
See Jacques Rondal, ST12:Dec 78:1935:14197

Mar, Brian W.
Dsc, EE3:June 80:677:15441, of "Leachate Generation from a Sludge Disposal Area", EE5:Oct 79:947:14884

Marchetti, Silvano
In Situ Tests by Flat Dilatometer, GT3:Mar 80:299: 15290
TR:145:693

Marcus, Henry S.
Port Reception Facilities and the Coastal Zone, CZ80:Nov 80:1594

Marcuson, William F., III
Definition of Terms Related to Liquefaction, GT9: Sept 78:1197:14037
Dsc: Hans F. Winterkorn, GT5:May 79:710: 14549; G. Gudehus, GT5:May 79:711:14549; Robert M. Pyke, GT10:Oct 79:1260:14867
Clo: GT8:Aug 80:949:15584
TR:145:178
Journal-Paper Review Statistics, GT4:Apr 80:341: 15369
TR:145:699
SPT and Relative Density in Coarse Sands, with Wayne A. Bieganousky, GT11:Nov 77:1295:13350
Dsc: Henry M. Reitz, GT9:Sept 78:1221:13978; Victor F.B. de Mello, GT2:Feb 79:333:14354; Wesley G. Holtz and Harold J. Gibbs, GT3:Mar 79:439:14401
Clo: GT11:Nov 79:1367:14934
TR:145:59

Margler, Lawrence W.
Grade-Crossing Accident Prediction, with Michael B. Rogozen, TE3:May 80:257:15408
TR:145:638

Marin, Joaquin
Computing Unidimensional Normal Stress Resultants, ST1:Jan 80:233:15145
TR:145:573

Marinello, Elaine I.
See Roger G. Anderson, CP80:June 80:37

Marks, G. Warren
Block Triangulation by Bundles and Stereo-Units, with Edward M. Mikhail and J. Christopher McGlone, SU1:Nov 80:1:15849

Marley, Jerry J.
See Thomas L. Theis, EY1:Jan 79:47:14286

Marman, Stephen
See Ralph E. Roper, Jr., EE2:Apr 79:309:14518

Marr, W. Allen
See T. William Lambe, GT6:June 79:727:14655

Marsalek, Jiri
Dsc, EE2:Apr 79:431:14468, of "Methodology for Calibrating Stormwater Models", EE3:June 78:485:13812

Marsh, Cedric
Friction Devices To Control Seismic Response, with Avtar S. Pall, EM81:Jan 81:809
Tear-Out Failure of Bolt Groups, TN: ST10:Oct 79:2122:14873
Errata: TN: ST10:Oct 80:2127:15722
Dsc, ST11:Nov 79:2479:14936, of "Thin Light-Gage Bolted Connections Without Washers", ST1:Jan 79:175:14306

Marston, Richard A.
See James R. Maxwell, IRKB:July 80:1

Martel, C. James
Rational Design of Overland Flow Systems, with Donald Dean Adrian, Thomas F. Jenkins and Robert E. Peters, EE80:July 80:114
See Antonio J. Palazzo, EE80:July 80:347
See E. Allan Cassell, EE80:July 80:620

Martin, Billy E.
Hydrologic Uncertainty and Project Benefits, with R. W. Julian, EFHYF:Mar 79:84

Martin, C. Samuel
See Jerome J. Zovne, HY7:July 79:859:14708

Martin, D. L.
See J. S. Balfour, PO80:May 80:504

Martin, Deborah K.
See Pamela B. Katz, EE80:July 80:372

Martin, Geoffrey R.
Pore-Pressure Dissipation During Offshore Cyclic Loading, with Ignatius Lam and Chan-Feng Tsai, GT9:Sept 80:981:15706
See Chan-Feng Tsai, GT9:Sept 80:997:15708
See W. D. Liam Finn, Preprint No.80521, Oct 80, 19pp.
See W. D. Liam Finn, Preprint No.80-638, Oct 80, 14pp.

Martin, Ignacio
See Lawrence Selna, ST8:Aug 80:1717:15596

Martin, Philippe P.
Simplified Procedure for Effective Stress Anaysis of Ground Response, with H. Bolton Seed, GT6:June 79:739:14659
TR:145:429

Martin, Quentin W.
Optimal Design of Water Conveyance Systems, HY9:Sept 80:1415:15672

Martin, R. Torrence
See Joseph M. Olsen, Preprint No.80-166, Apr 80, 15pp.

Martinez, Jorge
See Leopoldo Garcia-Iturbe, SLS:June 80:850

Mascardi, Claudio
Dsc, GT2:Feb 78:299:13506, of "Foundation Performance of Tower of Pisa", GT3:Mar 77:227:12814

Mascenik, John
Mooring System Management, with Richard B. Harley, PO80:May 80:763

Mashhour, Mohsen M.
See Kamal Z. Andrawes, GT12:Dec 80:1313:15928

Masri, Sami F.
Anti-Earthquake Application Of Pulse Generators, with George A. Bekey, Frederick B. Safford and Tejav J. dehghanyar, EM81:Jan 81:87
Identification Of A Class Nonlinear Dynamic Systems, with George A. Bekey, Hassan Sassi and Thomas K. Caughey, EM81:Jan 81:794
See Frederick B. Safford, EM81:Jan 81:72

Massarsch, Karl Rainer
New Aspects of Soil Fracturing in Clay, GT8:Aug 78:1109:13961
Dsc: John P. Carter and Mark F. Randolph, GT8:Aug 79:993:14722
Clo: GT6:June 80:715:15443
TR:145:158
Dsc, with Vincent P. Drnevich, GT1:Jan 79:123:14269, of "Seismic Site Response of Nonlinear Soil Media", GT3:Mar 78:369:13597
See Vincent P. Drnevich, GT9:Sept 79:1001:14809

Masterson, D. M.
Floating Ice Platforms: Offshore Oil Exploration, with H. R. Kivisild, ST1:Jan 80:133:15101
TR:145:521

Matchett, Donald L.
Power Plant Siting: Economic Screening Techniques, with Robert P. Kitchell, EY2:Aug 79:277:14770
TR:145:404

Matel, Larry John
Improving Parking Efficiency through TSM, TE1:Jan 80:11:15131
TR:145:506

Matheny, Charles W., Jr.
Creating a State Professional School of Civil Engineering, EI4:Oct 80:373:15772

Mathey, Robert G.
See James R. Clifton, ST10:Oct 79:1935:14911

Mathur, B. Sen
Remote Sensing Sensors for Environmental Studies, TE4:July 79:439:14707
TR:145:324

Matlock, Hudson
See Mahendrakumar R. Vora, EM2:Apr 79:237:14511

Matsui, Tamotsu
Cyclic Stress-Strain History and Shear Characteristics of Clay, with Hideo Ohara and Tomio Ito, GT10:Oct 80:1101:15776
Microscopic Study of Mechanisms in Soils, with Tomio Ito, James K. Mitchell and Nobuharu Abe, GT2:Feb 80:137:15221
TR:145:665

Matsummoto, Gerald Y.
See Kalman L. Benuska, EM81:Jan 81:152

Matthai, Howard F.
Dsc, HY2:Feb 80:346:15161, of "Flow Resistance in Cobble and Boulder Riverbeds", HY5:May 79:477:14576

Matthias, Franklin T.
Minimizing Risks and Mitigating Losses—B, CRLS: Jan 79:II-133

Matthias, Judson A.
See Burton A. Segall, TN: GT10:Oct 80:1148:15724

Matthiesen, Ralph B.
Observations of Strong Motion from Earthquakes, Preprint No.80-092, Apr 80, 22pp.

Mattioli, Franco
Dsc, WW1:Feb 80:139:15163, of "Diffraction of Water Waves by Isolated Structures", WW2:May 79:131:14561

Matzen, Vernon Charles
Mathematical Modelling of Indeterminate Trusses, with Joseph Earlton Hardee, EM81:Jan 81:687

Matzke, Gordon E.
Dsc, EI3:July 79:176:14660, of "Peer Accountability for Rationale of Impact Statements", E13:July 78: 203:13906

Mavis, Frederic T.
Dsc, HY1:Jan 79:118:14270, of "First Four Decades of the Hydraulics Division", HY3:Mar 78:327: 13633
Dsc, ST1:Jan 80:373:15098, of "Arch Culvert Footing Movements", ST4:Apr 79:729:14491
Dsc, HY3:Mar 80:468:15225, of "Optimal Design of Culverts under Uncertainties", HY5:May 79:443: 14572

Mawal, Manak B.
Concrete Beams with Prestressed Elements, ST3:Mar 79:617:14463
TR:145:231

Maxwell, James R.
Geomorphic Indices of Hydrologic Characteristics, with Richard A. Marston, IRKB:July 80:1

Maxwell, Paul F.
Comments on the Federal-Local Partnership in Transportation Air Quality Planning, CAAA:Nov 79:33

Maxwell, Robert L.
Impact of Energy on Future Transportation Systems, TE4:July 80:415:15562

Maxwell, W. Hall C.
See Sahim Tekeli, WW1:Feb 80:49:15176

May, Richard W.P.
Dsc, TN: WW4:Nov 80:507:15789, of "Second-Order Standing Waves Bounded by Circular Cylinders", TN: WW1:Feb 80:122:15166

Mayes, R. L.
See Ray W. Clough, EM81:Jan 81:517

Mayes, Ronald L.
See Roland L. Sharpe, TC1:Aug 80:13:15604

Mayland, H. F.
See Charles E. Brockway, IRKB:July 80:368

Mayne, Paul W.
Cam-Clay Predications of Undrained Strength, GT11: Nov 80:1219:15816

Mays, Larry W.
Optimal Design of Culverts under Uncertainties, HY5:May 79:443:14572
Dsc: Frederic T. Mavis, HY3:Mar 80:468:15225
TR:145:284
Optimization of Unit Hydrograph Determination, with Lynn Coles, HY1:Jan 80:85:15129
Dsc: David T. Ford, HY9:Sept 80:1557:15663; Peter R. Wormleaton, HY12:Dec 80:2076:15866
TR:145:542
Dsc, with Harry G. Wenzel, Jr. and Ben Chie Yen, WR2:Sept 79:439:14797, of "Least-Cost Design of Urban-Drainage Networks", WR1:Nov 78:75:14159
See Leighton Lum, EY1:Jan 79:137:14334
See Yeou-Koung Tung, HY5:May 80:893:15419

Maywalt, Timothy E.
Floodplain Management: New Federal Groundrules, CZ80:Nov 80:1200

McAlister, Ian J.
See J. William Allen, CZ80:Nov 80:267

McAniff, Richard J.
Bayesian Analysis of Energy Prices on Irrigation, with Marshall Flug and James Wade, WR2:July 80: 401:15548

McBean, Edward A.
Modeling of Reject Heated Water Use in Greenhouses, with Donald Haycock, Gary Ashley and Jack Gorrie, EY2:Oct 80:165:15732
See Keith William Hipel, WR2:Sept 79:223:14817
See Thomas W. Constable, EE5:Oct 79:961:14894
See John E. Praskey, WR1:Mar 80:61:15275
See Raymond L. Alarie, EE2:Apr 80:293:15312

McBride, Graham B.
See Alastair G. Barnett, HY12:Dec 80:2069:15866

McBryde, John P.
See Peter Graham Buckland, ST4:Apr 80:915:15306

McCammon, Bruce P.
Fire Rehab in the Bend Municipal Watershed, with Dallas Hughes, IRKB:July 80:252

McCarthy, Michael J.
Synthetic Storm Induced Water Level Statistics, with Edward J. Schmeltz, HYUS:June 80:83

McCarthy, William C.
BRANDE IV — A Bridge Analysis System, with Kenneth R. White and John Minor, CP80:June 80: 461

McCarty, Betty
Participation in Transportation — Air Quality Plans, CAAA:Nov 79:375

McCarty, James E.
Seismic Hazards and Public Policy as Viewed by a Local Agency, C080:80:28

McCarty, Perry L.
Organics in Water—An Engineering Challenge, EE1: Feb 80:1:15180
TR:145:625
See Martin Reinhard, EE4:Aug 79:675:14760
See Stephen J. Randtke, EE4:Aug 79:727:14763

McCasland, William R.
Modifying Freeway Geometrics to Increase Capacity, TE6:Nov 80:787:15860

McClimans, Richard J.
Best Management Practices for Forestry Activities, IRKB:July 80:694

McClimans, Thomas A.
Wave Propulsion of Spar Buoys, TN: WW3:Aug 80: 410:15592

McClung, Gwendolyn
See James A. Ayars, IRKB:July 80:974

McCole, Patrick M.
See Ju-Chang Huang, EE80:July 80:236

McCool, Donald
See Daniel Taylor, IRKB:July 80:985

McCorkle, Monroe
Flood-Plain Management in Dallas, Tex.: 1908-1978, with Albert H. Halff, HY2:Feb 79:125:14346
TR:145:209

McCormick, Caleb W.
Matrix Operations on Large Computers, CP80:June 80:72

McCormick, Fred C.
Dsc, ST10:Oct 78:1691:14048, of "Concrete Filled Structural Plastic Columns", ST1:Jan 78:55:13478

McCormick, John M.
Managing Data in FORTRAN Programs, with Joseph P. Wright, TC1:Apr 79:13:14486
TR:145:112

McCorquodale, John A.
Submerged Radial Hydraulic Jump, with Abdelkawi M. Khalifa, HY3:Mar 80:355:15250
TR:145:606
See Alim A. Hannoura, WW2:May 78:191:13734
See Alim A. Hannoura, HY7:July 78:1001:13888
See Abdelkawi M. Khalifa, HY9:Sept 79:1065:14825

McCoy, Frieda A.
See Frank P. Moolin, Jr., Preprint No.80-171, Apr 80, 26pp.

McCrary, Louis Coleman
Memoir of, TR:145:750

McCrate, Thomas A.
See F. B. Couch, Jr., CE:Oct 80:154

McCuen, Richard H.
Downstream Effects of Stormwater Management Basins, HY11:Nov 79:1343:14977
Dsc: Kudallur Nambudripad, HY9:Sept 80:1556:15663
TR:145:486
The Ethical Dimension of Professionalism, EI2:Apr 79:89:14513
TR:145:228
Map Skew, WR2:Sept 79:269:14840
TR:145:186
See Walter J. Rawls, WR1:Nov 78:45:14162
See Gregory E. Kamedulski, WR2:Sept 79:171:14806
See Mark E. Hawley, IRKB:July 80:347

McCulloch, Samuel D.
See E. Charles Palmer, ASDC:80:11

McCullough, Jack D.
See Mingteh Chang, IRKB:July 80:951

McCusker, Terence G.
Allocation of Risks—B, CRLS:Jan 79:II-56
See Delon Hampton, CO3:Sept 80:247:15668

McCutcheon, Steve C.
Dsc, with Richard H. French, HY7:July 79:913:14662, of "Three-Dimensional Open Channel Flow", HY8:Aug 78:1119:13963
Dsc, HY1:Jan 80:218:15097, of "Effective Depth in Channels Having Bed Undulations", HY1:Jan 79:67:14336
Dsc, HY12:Dec 80:2067:15866, of "Interfacial Stability in Channel Flow", HY8:Aug 79:955:14768

McCutcheon, William J.
See Roger L. Tuomi, ST7:July 78:1131:13876

McDaniel, Arthyur R.
Sims is New ASCE President-Elect; Nine Other National Offices Filled, CE:Oct 80:144

McDaniel, Thomas N.
Dispersive Soil Problem at Los Esteros Dam, with Rey S. Decker, GT9:Sept 79:1017:14804
Dsc: Andrew L. Melvill, GT11:Nov 80:1282:15783
Clo: GT11:Nov 80:1283:15783
TR:145:495

McDermott, Joseph M.
Award for 1980 to be given this Month: Masters Award, CE:Oct 80:154
Freeway Surveillance and Control in Chicago Area, TE3:May 80:333:15436
TR:145:685

McDonald, Alvin F.
Design of an LNG Terminal in Canada's High Arctic, PO80:May 80:489

McDonald, C. K.
Dynamic Seismic Analysis: Economic Considerations, ST7:July 80:1531:15571

McDonald, James R.
Building Response To Extreme Wind And Tornadoes, with Kishor C. Mehta, EM81:Jan 81:547
The Kalamazoo: Building Damage In The Center City, with James J. Abernethy, EM81:Jan 81:567
See Kishor C. Mehta, Preprint No.80-644, Oct 80, 10pp.

McDonald, Robert B.
A Procedure for Evaluating Program Alternatives, CZ80:Nov 80:1768

McDonnell, Archie J.
See Raymond M. Wright, EE2:Apr 79:323:14523

McElroy, John J.
See Robert M. Koerner, Preprint No.80-177, Apr 80, 22pp.

McEnroe, Bruce
Two-Dimensional Heated Jets in Shallow Water, with Subhash C. Jain, EY1:Apr 80:33:15349
TR:145:573

McEwen, Everett E.
See Umesh Chandra, EY2:Oct 80:113:15730

McEwen, Robert B.
USGS Digital Cartographic Applications Program, SU1:Nov 80:13:15846

McFarland, R. K.
Allocation of Risks—C, CRLS:Jan 79:II-64

McGinn, R. A.
Dsc, HY10:Oct 80:1718:15721, of "Flood Frequency Estimates on Alluvial Fans", HY11:Nov 79:1407:15001

McGinnis, David F., Jr.
Satellites as Aid to Water Resource Managers, with Roderick A. Scofield, Stanley R. Schneider and Craig P. Berg, WR1:Mar 80:1:15244
TR:145:412

McGinnis, Richard S.
See Yung Y. Shen, HYCO:Aug 80:13

McGlone, J. Christopher
See G. Warren Marks, SU1:Nov 80:1:15849

McGoodwin, Ben P.
See Frank Bakes, TN: HY8:Aug 80:1394:15590

McGown, Alan
See Kamal Z. Andrawes, GT12:Dec 80:1313:15928

McGregor, S. T.
See F. C. Miller, EE80:July 80:40

McGuire, W.
See M. Gattass, EM81:Jan 81:502

McGurk, Bruce J.
See Everett P. Springer, IRKB:July 80:938

McHale, Frank
Electricity from the Sea, CE:June 80:73
TR:145:712

McKee, Jack Edward
Memoir of, TR:145:751

McKee, Keith E.
Managing Small Projects, EI2:Apr 80:129:15367
TR:145:578
See James Choromokos, Jr., Preprint No.80-528, Oct 80, 22pp.

McKee, R. G.
See D. R. Snethen, SLS:June 80:717

McKeen, R. G.
See Leonard Krazynski, SLS:June 80:683

McKeen, R. Gordon
Field Studies of Airport Pavements on Expansive Clay, SLS:June 80:242

McKenna, Thomas
See F. B. Couch, Jr., CE:Oct 80:154

McKeogh, Eamon J.
Air Retained in Pool by Plunging Water Jet, with Elsayed M. Elsawy, HY10:Oct 80:1577:15742

McKim, Harlan L.
See Carolyn J. Merry, ASDC:80:158

McKinlay, David G.
Dsc, with Abul M.M. Safiullah, GT10:Oct 80:1165: 15720, of "Pore Distribution and Permeability of Silty Clays", GT7:July 79:839:14686

McKittrick, David P.
Reinforced Earth Structures for Port Development, PO80:May 80:786

McLatchy, Michael J.
Small Scale Hydropower in the West, IRKA:July 80: 374

McLaughlin, Dennis K.
See Peter M. Moretti, HY4:Apr 77:367:12868

McLaughlin, John
The Development of Multi-Purpose Land Information Systems: The Challenge for the Next Decade, SU80:June 80:245

McLeod, Angus Ian
See Keith William Hipel, WR2:Sept 79:223:14817

McMahon, Brian R.
See Allen R. Overman, EE2:Apr 80:267:15321

McMahon, George F.
Modeling Reservoir System With Pumped Storage, with Vernon R. Bonner and Bill S. Eichert, WR1: Mar 80:239:15248
TR:145:431

McMahon, Peter M.
Structural Response of R/C Slabs to Tornado Missiles, with Subir K. Sen, Bernard L. Meyers and Kenneth P. Buchert, ST3:Mar 79:547:14443
TR:145:213

McMahon, Thomas A.
See R. Srikanthan, HY12:Dec 80:2011:15935

McManus, Robert L.
CSI Format for Engineering Specifications, Preprint No.80-150, Apr 80, 19pp.

McMickle, Ralph W.
See Syed Ahmed, Preprint No.80-050, Apr 80, 23pp.

McMillan, Alan F.
See Shu T. Wang, HY11:Nov 79:1467:14935

McMurray, Daniel T.
See Damodar S. Airan, EE4:Aug 80:741:15613

McNabb, Joe B.
Minimizing Risks and Mitigating Losses—C, CRLS: Jan 79:II-138

McNeese, Donald C.
Memoir of, TR:145:754

McNeilly, Tom
Dsc, ST9:Sept 80:1998:15665, of "Differential Movement in Composite Load-Bearing Masonry Walls", ST7:July 79:1277:14666

McNorgan, John D.
Gas Pipeline Seismic Risk Abatement, Preprint No.80-104, Apr 80, 4pp.

McNown, John S.
Dsc, EE4:Aug 80:864:15582, of "Dividing-Flow Manifolds with Square-Edged Laterals", EE4:Aug 79:745:14764

McPherson, Murray B.
Urban Water Management in the 1980's: Introduction, Preprint No.80-511, Oct 80, 6pp.

Mc Queen, Roy D.
Dsc, CE:May 80:22, on Top Highway Problems : Finance and Maintenance, CE:Nov 79:59

McVay, Monte
See Gordon LyFord, IRKA:July 80:243

McWhorter, David B.
Unsaturated Flow Beneath Tailings Impoundments, with John D. Nelson, GT11:Nov 79:1317:14999
TR:145:582

McWhorter, John A.
Minimizing Risks and Mitigating Losses—D, CRLS: Jan 79:II-158

Meador, Richard C.
See Neal B.H. Benjamin, CO1:Mar 79:25:14408

Meadows, Michael E.
Assessing Nonpoint Water Quality for Small Streams, with Dennis W. Weeter and James M. Green, EE6: Dec 78:1119:14232
Dsc: Philip B. Bedient, EE2:Apr 80:459:15296
TR:145:158
See Richard A. Rohlf, IRKB:July 80:13

Meals, Donald W.
See E. Allan Cassell, EE80:July 80:620

Meca, Salvador
See Vicente Solana, ST7:July 79:1567:14663
See Vicente Solana, ST12:Dec 79:2784:15011

Medland, Ian C.
Brace Forces in Interbraced Column Structures, with Cecil M. Segedin, ST7:July 79:1543:14698
Dsc: Tamirisa V.S.R. Appa Rao and Nagcah R. Iyer, ST10:Oct 80:2122:15722
TR:145:368

Meek, Jethro W.
Dsc, ST11:Nov 80:2360:15785, of "Earthquake Rocking Response of Rigid Bodies", ST2:Feb 80: 377:15182

Meek, R. P.
See R. C. Ayers, Jr., CZ80:Nov 80:1730

Meeker, L. David
See Paul J. Ossenbruggen, EY1:Jan 79:81:14290

Meeker, Loren D.
Techniques for Spatial Extrapolation of Wind Data, with Paul J. Ossenbruggen and Gerard P. Pregent, EM2:Apr 80:201:15315
Dsc: Ross B. Corotis, EM6:Dec 80:1453:15865
TR:145:601

Meersman, John J.
Environmental Considerations in Highway Planning, with Leonard Ortolano, TE4:July 80:15515

Megahan, Walter F.
Riverbed Improves over Time: South Fork Salmon, with William S. Platts and Bert Kulesza, IRKB:July 80:380
See Gene F. Cole, IRKB:July 80:396

Meggit, Dallas J.
See Owen M. Griffin, WW2:May 80:183:15414

Mehlhorn, Gerhard J.
Some Applications of the Finite Element Method for Analysing Reinforced Concrete Structures, with Volker Cornelius, Gunter Schmidt-Gonner and Winfried Zeitler, Preprint No.80-552, Oct 80, 16pp.

Mehra, Jawaharlal
See Salvatore J. Bellomo, CAAA:Nov 79:153

Mehrabadi, M. M.
Prefailure and Post-Failure Soil Plasticity Models, with Stephen C. Cowin, EM5:Oct 80:991:15755

Mehrotra, Subhash C.
Dsc, HY4:Apr 79:441:14472, of "Air Entrainment in Radial Flow Towards Intakes", HY9:Sept 78:1323: 14038

Mehta, Ashish J.
Fall Velocity of Shells as Coastal Sediment, with Jieh Lee and Bent A. Christensen, HY11:Nov 80:1727: 15795
See Emmanuel Partheniades, CE:Jan 80:90
See Donald Steven Graham, Preprint No.80-033, Apr 80, 20pp.

Mehta, Harshavardhan C.
See Wai F. Chen, ST8:Aug 79:1673:14785

Mehta, Kishor C.
Procedure for Predicting Wind Damage to Buildings, with James R. McDonald and Douglas A. Smith, Preprint No.80-644, Oct 80, 10pp.
See Joseph E. Minor, ST11:Nov 79:2279:14980
See Timothy A. Reinhold, EM81:Jan 81:532
See James R. McDonald, EM81:Jan 81:547

Mehta, Prabhulal R.
Flow Characteristics in Two-Dimensional Expansions, HY5:May 79:501:14579
TR:145:298

Meier, Peter M.
Long-Range Regional Power Plant Siting Model, EY1:Jan 79:117:14322
TR:145:217

Meighan, Richard B.
See Noel J. Williams, CZ80:Nov 80:703

Meilhede, Dennis
See Enno Koehn, Preprint No.80-505, Oct 80, 18pp.

Meisburger, Edward
Barrier Island Sedimentation Studies Program, with Leita J. Hulmes, Edward B. Hands, S. Jeffress Williams, Craig H. Everts, Dennis A. Prins, Richard D. Hobson and Kenneth Finkelstein, CZ80:Nov 80:810

Melbourne, William H.
See Kenny C.S. Kwok, EM2:Apr 80:273:15356

Melchers, Robert E.
Validity of Yieldline Theory for Polyhedral Shells, EM1:Feb 79:107:14388
TR:145:191
Dsc, EM4:Aug 80:856:15583, of "A Fuzzy Safety Measure", EM5:Oct 79:855:14915

Mele, Paolo
See Antonio Cenedese, HY2:Feb 78:237:13568

Melfi, David A.
See Frank H. Verhoff, EE3:June 80:591:15456

Mellon, Harry H.
See William G. Gray, HY10:Oct 78:1468:14047

Melvill, Andrew L.
Dsc, GT11:Nov 80:1282:15783, of "Dispersive Soil Problem at Los Esteros Dam", GT9:Sept 79:1017: 14804

Melville, J. G.
See Alfred David Parr, HYCO:Aug 80:131

Memos, Constantine D.
Dsc, HY11:Nov 80:1949:15784, of "Diffraction of Waves by Shore-Connected Breakwater", HY12: Dec 79:1501:15075

Mendenhall, Wesley S., Jr.
Dsc, CE:July 79:31, on Highway History: Modern Turnpike Era Recounted, CE:Feb 79:73

Menser, H. A.
See R. C. Sidle, IRKB:July 80:598

Mercanti, Enrico
See Bob Benn, MGC:July 80:342

Merensky, Klaus
Automatic Water-Level Control in South Africa, with Dyason Hopkins, HY11:Nov 79:1415:14992
TR:145:498

Merovich, Andrew T.
An Application of Eccentric Bracing in a Tall Building, with Joseph P. Nicoletti and Earl Hartle, Preprint No.80-592, Oct 80, 14pp.

Merriam, John L.
Dsc, IR1:Mar 80:71:15226, of "Standards for Irrigation Efficiencies of ICID", IR1:Mar 79:37:14457

Merrill, L. B.
See W. H. Blackburn, IRKB:July 80:552

Merrill, Reginald E.
Sources of Pollution from Agricultural Drainage, with Ronald M. Van De Pol and Walter E. Ryley, IR2:June 79:137:14605
TR:145:275

Merrow, Edward W.
See Walter S. Baer, CE:Mar 79:53

Merry, Carolyn J.
Materials Availability Study of the Dickey-Lincoln Dam Site, with Harlan L. McKim and Edwin A. Blackey, Jr., ASDC:80:158

Mersky, Ronald
See Iraj Zandi, TE4:July 79:411:14703

Messenger, Manette
See Ed Smith, EE80:July 80:634

Metzger, John F.
Citizens and Project Design: Management Team, with David C. Colony, UP1:Nov 80:59:15855

Meyer, Adolf Arnold
Memoir of, TR:145:755

Meyer, Christian
User-Oriented Programming, CP80:June 80:58

Meyer, David F.
See Ze'ev B. Begin, WW3:Aug 80:369:15651

Meyer, John E.
See Michael N. Fardis, ST1:Jan 79:67:14305

Meyer, Russell N.
Dsc, CE:July 79:33, on 1977 Clean Air Act: Cheapest Way to Clean Up the Environment?, CE:Mar 79:85

Meyer, Stephen E.
See Panos G. Michalopoulos, TE3:May 80:265:15399

Meyers, Bernard L.
See Peter M. McMahon, ST3:Mar 79:547:14443

Meyyappa, M.
Modal Parameter Estimation For A Highrise Building Using Amibient Response Data Taken During Construction, with H. Palsson and J. I. Craig, EM81:Jan 81:141

Mezera, David F.
Geodetic Surveying: The Next Decade, SU1:Nov 79:93:14997
TR:145:737

Michalczyk, Bert L.
Heat Treatment and Vacuum Filtration of Metal-Laden Municipal Sludge, with Ronald F. Wukasch, EE80:July 80:25

Michalopoulos, Alex P.
See Ioannis V. Constatopoulos, GT11:Nov 80:1284:15783

Michalopoulos, Panos G.
Signal Timing Selection for Critical Intersections, with Stephen E. Meyer, TE3:May 80:265:15399
TR:145:624

Michuda, Alfred J.
See Raymond R. Rimkus, EE6:Dec 80:1071:15902

Middlebrooks, Eddie J.
See R. S. Sletten, EE80:July 80:339

Middleton, Andrew C.
See Campbell D. MacInnes, EE6:Dec 78:1275:14251

Midgley, Desmond Clifford
See Heinz Willi Weiss, HY3:Mar 78:361:13604

Mielke, Lloyd B.
See James R. Gilley, IR1:Mar 80:49:15292

Migliore, Herman
Dynamic Analysis of Ocean Cable Structures, Preprint No.80-030, Apr 80, 21pp.

Mih, Walter Chin
Transporting Solid Particles in Smooth Pipelines, TE4:July 79:427:14704
TR:145:300

Mikami, Ichizou
Dsc, with Hiroshi Yonezawa, ST11:Nov 79:2475:14936, of "Local, Distortional, and Lateral Buckling of I-Beams", ST11:Nov 78:1787:14155

Mikhail, Edward M.
See G. Warren Marks, SU1:Nov 80:1:15849

Mikkola, Martti J.
Finite Element Analysis of Box Girders, with Juha Paavola, ST6:June 80:1343:15498
TR:145:677

Mileti, Dennis S.
Planning Initiatives for Seismic Hazard Mitigation, C080:80:44

Miller, Charles A.
Dynamic Reduction of Structural Models, ST10:Oct 80:2097:15775

Miller, Eugene A.
Value Engineering and Cement-Bentonite Cutoff Wall Save Dam Project for Arizona Indian Tribe, with Gary S. Salzman, CE:Aug 80:51
Dsc: Richard Schindler, CE:Dec 80:28

Miller, F.
See J. C. S. Yang, EM81:Jan 81:819

Miller, F. C.
Biological Drying of Sewage Sludge—A New Composting Process, with S. T. McGregor, M. S. Finstein and J. Cirello, EE80:July 80:40

Miller, Jeffrey E.
Modeling Nitrogen, Oxygen, Chattahoochee River, Ga., with Marshall E. Jennings, EE4:Aug 79:641:14748
TR:145:406

Miller, K. Gene
Fighting Fire With Concrete, CE:Aug 79:81
TR:145:368

Miller, Lawrence E.
Award for 1980 to be given this Month: Bartholomew Award, CE:Oct 80:154

Miller, Norman
Dsc, with Roger G. Cronshey, HY11:Nov 79:1461: 14935, of "Interstorm Relations in Pacific Northwest", HY12:Dec 78:1577:14255

Miller, Paul J.
See John L. Wilson, HY4:Apr 78:503:13665

Miller, Robert A.
See George A. Costello, EM4:Aug 79:597:14753

Miller, Robert E.
See George A. Costello, EM4:Aug 80:623:15612

Miller, Terrell W.
See James D. Murff, GT10:Oct 77:1083:13302
See James D. Murff, Preprint No.80-527, Oct 80, 14pp.

Milligan, James
Sediment Transport in a Pool-Riffle Stream, with Edward Chacho and Myron Molnau, IRKB:July 80: 430

Millman, Paul
Design Temperature for Structural Elements, with Robert Kilcup and C. Allin Cornell, ST4:Apr 80: 877:15364
TR:145:635

Mills, Donald F.
Effect of Drainage Inlets on Recreation Facilities, HYUS:June 80:388

Mills, Kevin G.
See Lewis T. Isaacs, HY7:July 80:1191:15559

Mills, Russell S.
Wind Loading And Response Of A High-Rise Building, with David Williams, EM81:Jan 81:323

Miloh, Touvia
Irregularities in Solutions of Nonlinear Wave Diffraction Problem by Vertical Cylinder, TN: WW2:May 80:279:15385

Minas, Arthur N.
A Survey of Investigations of Tubular Joints, with William J. Graff, Preprint No.80-034, Apr 80, 18pp.

Mindess, Sidney
The Cracking and Fracture of Mortar, with Sidney Diamond, FIC:Oct 80:15

Minei, Vito
See Kevin J. Phillips, HYUS:June 80:228

Mineiro, Antonio J.C.
Dsc, GT5:May 79:708:14549, of "Simplified Procedure for Estimating Dam and Embankment Earthquake-Induced Deformations", GT7:July 78: 849:13898

Ming, Wang Chien
See George I.N. Rozvany, EM6:Dec 80:1279:15914

Mingori, D. Lewis
See Levon Minnetyan, ST4:Apr 80:897:15365

Minnetyan, Levon
Dynamics and Optimal Design of AGT System, with Richard B. Nelson and D. Lewis Mingori, ST4:Apr 80:897:15365
TR:145:637

Minor, John
See Kenneth R. White, TE1:Jan 79:15:14279
See Conrad G. Keyes, Jr., CP80:June 80:350
See William C. McCarthy, CP80:June 80:461

Minor, Joseph E.
A Review of Window Glass Design Practices, Preprint No.80-117, Apr 80, 19pp.
Tornado Technology and Professional Practice, Preprint No.80-643, Oct 80, 11pp.
Wind Damage Observations and Implications, with Kishor C. Mehta, ST11:Nov 79:2279:14980
Dsc: Ashok K. Jain and Anand S. Arya, ST11: Nov 80:2355:15785
TR:145:464

Minton, Gary R.
Water Quality Management—Have We Lost Sight of the Objective?, WR1:Mar 80:131:15242
TR:145:389

Mintzer, Olin W.
Mini-Format Remote Sensing for Civil Engineering, with Dennis Spragg, TE6:Nov 78:847:14154
Dsc: Frank T. Howell and Paul L. Jenkins, TE6: Nov 79:735:14938
TR:145:32

Miresco, Edmond T.
Development of New Features for Ices Project/I, CP80:June 80:151

Mirza, Saeed M.
See Gajanan M. Sabnis, ST6:June 79:1007:14618

Mirza, Sher Ali
Statistical Descriptions of Strength of Concrete, with Michael Hatzinikolas and James G. MacGregor, ST6:June 79:1021:14628
Dsc: Ake Holmberg, ST1:Jan 80:374:15098; Michael J. Abrahams, ST1:Jan 80:374:15098; Stuart G. Davis, ST7:July 80:1659:15513
Errata: ST5:May 80:1233:15380
TR:145:289
Variability of Mechanical Properties of Reinforcing Bars, with James G. MacGregor, ST5:May 79:921: 14590
Errata: ST5:May 80:1232:15380
TR:145:279
Variations in Dimensions of Reinforced Concrete Members, with James G. MacGregor, ST4:Apr 79: 751:14495
Errata: ST5:May 80:1228:15380
TR:145:251

Mitchell, James K.
Cone Resistance as Measure of Sand Strength, with Tom A. Lunne, GT7:July 78:995:13901
Dsc: Leslie L. Karafiath, GT6:June 79:796:14599; E. De Beer, GT12:Dec 79:1558:15008
Clo: GT8:Aug 80:949:15584
TR:145:133
Foundation Performance of Tower of Pisa, with Vitoon Vivatrat and T. William Lambe, GT3:Mar 77:227:12814
Dsc: Henri Cambefort, GT1:Jan 78:154:13449; Sreenivasan V. Nathan, GT2:Feb 78:295:13506; Claudio Mascardi, GT2:Feb 78:299:13506; Gerald A. Leonards, GT1:Jan 79:95:14269
Clo: GT11:Nov 79:1363:14934
TR:145:10

In-Situ Volume-Change Properties by Electro-Osmosis—Evaluation, with Sunirmal Banerjee, GT4:Apr 80:367:15371
TR:145:703
Measurement of Soil Thermal Resistivity, with Tsung C. Kao, GT10:Oct 78:1307:14080
Errata: GT11:Nov 79:1377:14934
Errata: GT5:May 80:573:15378
TR:145:190
See Tamotsu Matsui, GT2:Feb 80:137:15221
See Sunirmal Banerjee, GT4:Apr 80:347:15370
See Edward Kavazanjian, Jr., GT6:June 80:611:15488

Mitchell, P.
See D. R. Snethen, SLS:June 80:717

Mitchell, P. W.
The Concepts Defining the Rate of Swell of Expansive Soils, SLS:June 80:106
The Structural Analysis of Footings on Expansive Soil, SLS:June 80:438

Mitchell, Peter
See Leonard Krazynski, SLS:June 80:683

Mitchell, Robert H.
Dsc, CE:June 80:48, on Energy Conservation: Long-Overlooked Cheap Source of Energy, CE:Dec 79:77

Miyahira, Wallace S.
Honolulu Sewage Plant Pioneers Advanced Primary Treatment, Has Deepest Ocean Outfall, with Stanley T. Yamanaka, Jr., CE:June 79:76
Dsc: Russell G. Ludwig, CE:Dec 79:35
TR:145:280

Miyamoto, Owen
State Airport Planning and Financing, MGC:July 80:14

Mizuno, E.
Analysis of Soil Response with Different Plasticity Models, with Wai F. Chen, Preprint No.80-637, Oct 80, 14pp.

Moavenzadeh, Fred
See Janet A. Koch, CO4:Dec 79:351:15077

Mobarek, Ismail
Coastal Development at Nile Mediterranean Outlets, with Joel M. Goodman, CZ80:Nov 80:724

Mobley, Roger M.
See Allen J. Hulshizer, Preprint No.80-662, Oct 80, 14pp.

Moger, Jack
Proposed Improvements to East Matagorda Bay, Texas, HYUS:June 80:398

Mohan, Hari
Behavior of Auxiliary Intake of Ramganga Dam at Low Levels, with Heramb D. Sharma, Dharam V. Varshney and Shivaraj S. Tiagi, HY7:July 77:753:13091
Dsc: Fred W. Blaisdell, HY7:July 78:1108:13856
Clo: HY8:Aug 79:1036:14723
TR:145:12

Mohan Reddy, J.
Computation of Recession and Runoff Integral, TN: IR4:Dec 80:367:15873

Moir, James R.
See Y. Lam Lau, EE2:Apr 79:369:14530

Mojtahedi, Soussan
Ultimate Steel Stresses in Unbonded Prestressed Concrete, with William L. Gamble, TN: ST7:July 78:1159:13868
Dsc: A. Tam, TN: ST9:Sept 79:1862:14795
Clo: TN: ST6:June 80:1375:15446

Molnau, Myron
Snow-Erosion Relationships on Mine Waste Dumps, with Edward Chacho, IRKB:July 80:877
See Arnfinn Rusten, ST1:Jan 80:11:15102
See James Milligan, IRKB:July 80:430
See David H. Fortier, IRKB:July 80:790

Moncarz, Piotr D.
Effects of Non-Linear Connections in Steel Frames, with Kurt H. Gerstle, Preprint No.80-179, Apr 80, 21pp.

Moncrief, Michael R.
See Leo A. Kinney, Jr., IRKA:July 80:445

Monforton, Gerard R.
See Ibrahim M. Ibrahim, ST5:May 79:905:14594

Monn, Mark G.
See Paul Kruger, CE:Oct 80:144

Montes, J. Sergio
Dsc, TN: HY9:Sept 79:1208:14793, of "Undular Hydraulic Jump", TN: HY8:Aug 78:1185:13916
See Olurinde E. Lafe, HY6:June 80:977:15467

Montgomery, C. James
Seismic Design of Low-Rise Steel Buildings, with William J. Hall, ST10:Oct 79:1917:14919
Errata: ST5:May 80:1235:15380
TR:145:434

Montgomery, Michael W.
Predicition and Verification of Friction Pile Behavior, GTDF:80:274

Montgomery, Robert J.
See Roger E. Smith, IR4:Dec 80:379:15867

Moodie, Simon P.
See Paul F. Greenfield, EE6:Dec 79:1186:15006

Moody, Helen Fox
See Donald E. Woodward, HYUS:June 80:99

Moody, Russell C.
See John A. Youngquist, ST7:July 79:1405:14673

Moolin, Frank J.
See F. B. Couch, Jr., CE:Oct 80:154

Moolin, Frank P., Jr.
Engineering Organizations as Project Managers, with Frieda A. McCoy, Preprint No.80-171, Apr 80, 26pp.

Moore, Bruce H.
See David M. Holloway, Preprint No.80-175, Apr 80, 38pp.

Moore, Charles A.
Methane Migration Around Sanitary Landfills, with Iqbal S. Rai and Ayad A. Alzaydi, GT2:Feb 79:131:14372
TR:145:263

Moore, Curtis L.
Hydrologic Impact of Small Depressional Watersheds, with Larson, IR4:Dec 80:345:15937

Moore, David C.
Solar Access and Sun Rights, UP1:Nov 80:11:15822

Moore, James S.
See Richard T. Alpaugh, MGC:July 80:148

Moore, Nancy Young
Economic Model for Reservoir Planning, with William W-G. Yeh, WR2:July 80:383:15520

Moore, P.
See J. S. Godlewski, Preprint No.80-666, Oct 80, 12pp.

Moore, Peter J.
Head Losses in Packer Tests, with Roberto E. Balbis, TN: GT9:Sept 79:1108:14798
Dsc: Robert C. Dick, TN: GT10:Oct 80:1175: 15720
Clo: TN: GT10:Oct 80:1176:15720

Moore, Stephen F.
See Graeme C. Dandy, EE4:Aug 79:695:14757

Mooseker, William H.
Computer-Aided Preliminary Design, with Gerard Dixon, TC1:Apr 79:75:14483
TR:145:74

Moran, W. Dennis
Management System for Large Engineering Firm, with William F. Sommerfeld and R. Timothy Heatwole, TC1:Aug 80:41:15616

Morand, James M.
Performance of Package Water Treatment Plants, with Matthew J. Young, EE80:July 80:526

Morelli, Ariel E.
Health Considerations in Construction, Preprint No.80-517, Oct 80, 8pp.

Moretti, Peter M.
Hydraulic Modeling of Mixing in Stratified Lakes, with Dennis K. McLaughlin, HY4:Apr 77:367: 12868
Dsc: Iyyanki V. Muralikrishna and Harihara Raman, HY2:Feb 78:308:13507; John D. Ditmars, HY10:Oct 78:1463:14047
Clo: HY8:Aug 79:1035:14723
TR:145:9

Morgan, John
See Thomas J. Campbell, Preprint No.80-670, Oct 80, 8pp.

Morgan, Ken M.
Areawide Soil Loss Predictions Using CIR Airphotos, with Randolph Nalepa, AS80:Aug 80:24

Morgan, Peter R.
See Lewis C. Schmidt, TN: ST12:Dec 78:1915:14201

Morgan, W. Bruce
Managing Shore Development in British Columbia, with Jonathan P. Secter, CZ80:Nov 80:715

Morgenstern, Brian D.
See Peter Graham Buckland, ST5:May 79:859:14557

Morgenstern, N. R.
Effects of Pore Fluid on the Swelling of Clay-Shale, with B. I. Balasubramonian, SLS:June 80:190

Morin, Donald A.
Dsc, UT79A:July 79:185, of "Improved Local Resource Allocation", UT79A:July 79:179

Moriwaki, Yoshiharo
See David M. Holloway, Preprint No.80-175, Apr 80, 38pp.

Morley, C. T.
See Mikael W. Braestrup, ST6:June 80:1255:15502

Morris, Albert J.
Is Continuing Education Worth the Effort?, EI2:Apr 79:107:14506
Dsc: Abinash C. Chaturvedi, EI1:Jan 80:69: 15096; Thiruvenkatachari Viraraghavan, EI2: Apr 80:163:15297
Clo: EI4:Oct 80:424:15718
TR:145:215

Morris, Dan P.
Efficiences of Advanced Waste Treatment Obtained with Upgraded Trickling Filters, with Denny S. Parker, Marvin L. Daniels and Eben L. Owens, CE: Sept 80:78

Morris, David
Prestressed Concrete Design by Linear Programming, ST3:Mar 78:439:13612
Dsc: Alex Aswad, ST10:Oct 78:1693:14048; Jacques Rondal and Rene Maquoi, ST12:Dec 78:1935:14197
Clo: ST12:Dec 79:2781:15011
TR:145:35

Morris, Frederick W., IV
Parallel Canal Design for Waterfront Development, with Damodar S. Airan, Nathan Putchat and Richard S. Tomasello, Preprint No.80-649, Oct 80, 10pp.

Morris, Gibson, Sr.
Memoir of, TR:145:756

Morris, John
See Neil S. Grigg, HYUS:June 80:33

Morris, Linden J.
See Jeffrey A. Packer, ST9:Sept 78:1546:13981
See Allan P. Mann, ST3:Mar 79:511:14460
See Allan P. Mann, Preprint No.80-179, Apr 80, 25pp.

Morris, Nicholas F.
See Charles Birnstiel, Preprint No.80-080, Apr 80, 22pp.

Morris, W. A.
Changes to a Flood Plain Caused by Gold Dredging, ASDC:80:220

Morris-Jones, Donald R.
Landsat Image Processing and Mapping Techniques and Their Utility for Civil Engineering Applications (Abstract), with Mervyn B. Walsh, AS80:Aug 80: 182

Morrison, Allen
Cognac: World's Tallest Offshore Oil Platform, CE: June 80:55
TR:145:698
The Fabric Roof, CE:Aug 80:60
Municipal Sewage: Three Communities Try to Cope, CE:Sept 80:90
Top Foreign-Born Civil Engineers Speak Their Minds, CE:Oct 80:115
Willow Island Aftermath: The Limits of OSHA, CE: Mar 80:68
Dsc: R. V. Bower, CE:Aug 80:31
TR:145:626

Morrow, Dennis M.
See John W Labadie, WR1:Mar 80:205:15233

Mortelmans, F.
Dsc, with G. De Roeck and D. Van Gemert, ST5: May 79:967:14551, of "Approximate Stiffness Analysis of High-Rise Buildings", ST4:Apr 78:681: 13700

Mortman, Milton
Dsc, EI3:July 80:325:15510, of "Elected Office For Engineers?", EI4:Oct 79:233:14924

Moselhi, Osama
See Kinh H. Ha, ST9:Sept 78:1495:14033

Moses, Fred
Reliability Analysis of Highway Bridge Vehicle Loadings, Preprint No.80-008, Apr 80, 22pp.
Weigh-in-Motion System Using Instrumented Bridges, TE3:May 79:233:14566
TR:145:232
See Uri Kirsch, ST1:Jan 79:85:14320

Moss, Peter J.
Nonlinear Layered Timber Cylindrical Shells, with Athol J. Carr and Nicholas C. Cree-Brown, ST10: Oct 79:2019:14932
TR:145:445
See G. Bryan Walford, ST1:Jan 80:247:15152
See Gerard C. Pardoen, EM81:Jan 81:29

Motayed, Asok K.
Alternative Evaluation of Power Plant Sites, EY2:Oct 80:229:15752
Composite Roughness of Natural Channels, with Muthusamy Krishnamurthy, TN: HY6:June 80: 1111:15449
Uncertainty in Step-Backwater Analyses, with David R. Dawdy, TN: HY5:May 79:617:14555
Dsc: Jeffrey B. Bradley and Karl W. Eriksen, TN: HY4:Apr 80:624:15301
Dsc, with Muthusamy Krishnamurthy, HY11:Nov 79: 1454:14935, of "Impact of Hydrologic Uncertainties on Flood Insurance", HY11:Nov 78: 1473:14168
Dsc, HY4:Apr 80:627:15301, of "Urbanization Impact on Streamflow", HY6:June 79:647:14623

Motchkavitz, Robert James
Drainage Design in a Riverine Floodplain System, HYUS:June 80:369
Drainage Design of the Tampa Palms Property, IRKA:July 80:150

Motycka, Jiri
See Ross W. Irwin, IR1:Mar 79:29:14424

Moulton, Lyle K.
Tolerable Movement Criteria for Highway Bridges — Field Studies, with Hota V.S. GangaRao, Maher K. Tadros and Grant T. Halvorsen, Preprint No.80-567, Oct 80, 18pp.

Moulton, Robert J.
The Columbia River Estuary Data Development Program, Preprint No.80-066, Apr 80, 18pp.
See Gary Lawley, CZ80:Nov 80:1159

Mousa, Adam M.
See Abubakr A. Wahab, ST10:Oct 79:2091:14905

Mouser, Gerald F.
Basic Pipe Stress Evaluation Summary, TE4:July 79: 349:14691
Dsc: H. S. Oey, TE4:July 80:487:15514
TR:145:267

Moyer, Philip F.
Dsc, CE:June 80:48, on Pile Field Support Prefabricated Plants Floated into Place, CE:Jan 80: 61

Mozer, John D.
Reliability of Existing Transmission Line Towers, with John A Hribar, Preprint No.80-593, Oct 80, 15pp.

Mrazik, Brian R.
Alternatives for Standards and Regulations, with Richard W. Krimm, EFHYF:Mar 79:375

Muchmore, Frank W.
Alaska's Native Log Bridges, with Roger L. Tuomi, CE:Feb 80:54
TR:145:596

Mueller, A.
See B. R. Ramaprian, HY12:Dec 80:1959:15908

Mueller, John A.
See John R. Elwood, EE80:July 80:464

Mueller, W. H.
See Wendelin Barrett, Preprint No.80-112, Apr 80, 20pp.

Mueller, Wendelin H.
See Donald R. Sherman, ST6:June 79:1055:14627

Muir Wood, A. M.
Dsc, GT7:July 80:832:15511, of "Simplified Analysis for Tunnel Supports", GT4:Apr 79:499:14541

Mulhern, Thomas A.
Metropolitan Section Accreditation Program on Compliance with Manual 55, EI1:Jan 79:35:14316
TR:145:152

Munday, John C., Jr.
Estuarine Circulation from Dye-Buoy Photogrammetry, with Christopher S. Welch and Hayden H. Gordon, PO80:May 80:417

Mundle, Subhash R.
See Walter Cherwony, TE1:Jan 80:31:15139

Mungan, Ihsan
Buckling of Stiffened Hyperboloidal Cooling Towers, with Otto Lehmkamper, ST10:Oct 79:1999:14917
Dsc: Krishnaiyengar Rajagopalan and Nagesh R. Iyer, ST12:Dec 80:2571:15868
TR:145:430
Buckling Stresses of Stiffened Hyperboloidal Shells, ST8:Aug 79:1589:14775
TR:145:372
See Wolfgang Zerna, ST2:Feb 80:531:15217

Munskie, Ken
Dsc, CE:Apr 80:28, on Testing Concrete in Place, CE:Oct 79:66

Muralikrishna, Iyyanki V.
Buoyant Jet Discharges into Finite Ambient Waters, with Kandula V.N. Sarma, HY5:May 79:14586
Dsc: E. Eric Adams, HY5:May 80:940:15379
Clo: HY12:Dec 80:2067:15866
TR:145:303
Dsc, with Harihara Raman, HY2:Feb 78:308:13507, of "Hydraulic Modeling of Mixing in Stratified Lakes", HY4:Apr 77:367:12868
Dsc, EE2:Apr 79:435:14468, of "Horizontal Buoyant Jets in Quiescent Shallow Water", EE4:Aug 78:717: 13943

Dsc, WW3:Aug 79:339:14725, of "Vertical Cylinders of Arbitrary Section in Waves", WW3:Aug 78:309:13973

Murff, James D.
Foundation Stability on Nonhomogeneous Clays, with Terrell W. Miller, GT10:Oct 77:1083:13302
Dsc: Andrew K.C. Chan, GT12:Dec 78:1530:14194
Clo: GT11:Nov 79:1365:14934
TR:145:38
Shallow Penetration of Marine Foundations, with Terrell W. Miller, Preprint No.80-527, Oct 80, 14pp.

Murga, Mikel
Dsc, with Edward J. O'Conner, ST12:Dec 80:2574:15868, of "Seismic Design Input for Secondary Systems", ST2:Feb 80:505:15207

Murley, Keith A.
Damsite Works Layout and Access Road Location, ASDC:80:114

Murphy, George J.
See Noel J. Williams, CZ80:Nov 80:703

Murphy, Irene L.
See Letitia C. Longord, CZ80:Nov 80:256

Murphy, Keith L.
See Peter M. Huck, EE4:Aug 78:767:13950

Murphy, Marie
A Strategy for State Participation in Outer Continental Shelf Exploration Decisions, CZ80:Nov 80:1078

Murphy, Peter J.
Compartmented Sediment Trap, with Magdy I. Amin, HY5:May 79:489:14577
TR:145:295
Dsc, HY4:Apr 79:437:14472, of "Fluid Dynamic Lift on a Bed Particle", HY8:Aug 78:1171:13976

Murray, C. M.
See L. J. Sikora, EE2:Apr 80:351:15310

Murray, David E.
Case Study of a Hazardous Waste Disposal Facility, EE80:July 80:433

Murray, David W.
Concrete Plasticity Theory for Biaxial Stress Analysis, with Larp Chitnuyanondh, Khazal Y. Rijub-Agha and Chung Wong, EM6:Dec 79:989:15046
TR:145:475
Octahedral Based Incremental Stress-Strain Matrices, EM4:Aug 79:501:14734
TR:145:314
See Alaa A. Elwi, EM4:Aug 79:623:14746
See Andrew Scanlan, ST1:Jan 80:359:15098

Murray, John
Dsc, CE:Oct 79:28, on Will EPA Relax Its Mandatory Secondary Treatment Requirement?, CE:June 79:88

Murray, Myles A.
Dsc, CO2:June 80:224:15440, of "Polymer-Impregnated Concrete at Dworshak Dam", CO4:Dec 78:539:14229

Murray, Noel W.
Dsc, with Georg Thierauf, ST10:Oct 80:2128:15722, of "Poisson's Effect on Buckling of Plate Assemblies", ST10:Oct 79:1967:14910

Murray, R. T.
Dsc, GT9:Sept 80:1062:15662, of "Retainining Wall Performance during Backfilling", GT5:May 79:613:14580

Murthy, M. Krishna
Strength Anisotropy of Layered Soil System, with T. S. Nagaraj and A. Sridharan, TN: GT10:Oct 80:1143:15724

Murthy, P. N.
See Sudhakar Sharma, EM1:Feb 80:161:15208

Murty, Valdali V.N.
See Satya P. Singh, IR2:June 80:93:15476

Musialowski, Frank R.
See Richard D. Hobson, CZ80:Nov 80:850

Muskivitch, John C.
See Harry G. Harris, ST2:Feb 80:545:15218

Muslin, Daniel
Endangered Species Coordination for Los Angeles Harbor, with Charles H. Fisher, CZ80:Nov 80:891

Muspratt, Murray A.
The Fourth Branch of Government, EI2:Apr 78:129:13669
Dsc: Melvin Shore, EI1:Jan 79:54:14267
Clo: EI1:Jan 80:65:15096
TR:145:57

Mussallem, Keith E.
Controlling Nonpoint Source Pollution from Commercial Clearcuts, with James A. Lynch, IRKB:July 80:669

Mussalli, Yusuf G.
Offshore Water Intakes Designed to Protect Fish, with Edward P. Taft, III and Johannes Larsen, HY11:Nov 80:1885:15798
Size Determination of Partly Full Conduits, HY7:July 78:959:13862
Dsc: Fred W. Blaisdell, HY8:Aug 79:1039:14723
TR:145:76

Musso, G.
Jacked Pipe Provides Roof for Underground Construction in Busy Urban Area, CE:Nov 79:79
TR:145:468

Mustafayev, Abbas Ali ogly
Rheology of Swelling Soils and Deformation Forecast, with G. D. Chigniev, SLS:June 80:760

Mutch, Robert D., Jr.
Secure Land Burial of Hazardous Wastes: A State-of-the-Art Example, EE80:July 80:426

Muto, Kiyoshi
3-D Nonlinear Dynamic Analysis of Stacked Blocks, with Hiromoto Takase, Kiyomi Horikoshi and Hiromichi Ueno, EM81:Jan 81:917

Muzeau, Jean-Pierre
Dsc, ST9:Sept 78:1545:13981, of "Analysis of Bolted Connections Subject to Prying", ST11:Nov 77:2145:13352

Myers, Vance A.
Coastal Storm Tide Frequency, Virginia to Delaware, with Francis P. Ho, HYUS:June 80:74

Naaman, Antoine E.
Awards for 1980 to be given this Month: Lin Award, with A. Siriaksorn, CE:Oct 80:147

Dsc, ST6:June 79:1216:14602, of "Direct Flexural Design of Prestressed Concrete", ST8:Aug 78:1231: 13958
See Pao-Tsan Wang, ST11:Nov 78:1761:14139
See Perumalsamy N. Balaguru, ST7:July 79:1333: 14671
See K. Visalvanich, FIC:Oct 80:65

Nadel, Norman A.
Allocation of Risks — A Contractor's View, CRLS: Jan 79:I-61

Nadolski, John A.
See Clarence M. Skau, IRKB:July 80:418

Naeem, Farzad
See James C. Anderson, Preprint No.80-622, Oct 80, 14pp.

Naftzger, Robert A.
Dynamic Behavior of Floating Storage Vessel, with Subrata K. Chakrabarti, WW2:May 80:157:15401
TR:145:725

Nagaraj, T. S.
See M. Krishna Murthy, TN: GT10:Oct 80:1143: 15724

Nagpal, Ashok K.
See Amiya K. Basu, ST8:Aug 79:1637:14783
See Amiya K. Basu, ST5:May 80:1175:15426

Nagy, Dennis A.
Finite Element Studies of Collecting Plate Systems, with David P. Billington, ST6:June 79:1103:14650
TR:145:308
Precipitator Plate Imperfections and Eccentricities, with David P. Billington, EY2:Aug 79:181:14747
TR:145:349

Naik, Bijayananda
See John A. Roberson, Preprint No.80-068, Apr 80, 15pp.

Naik, Tarun R.
Concrete Strength Prediction by the Maturity Method, EM3:June 80:465:15453
TR:145:657

Naim, Moossa M.
See Zia Razzaq, ST7:July 80:1389:15535

Najarian, Tavit O.
C & D Canal Effect on Salinity of Delaware Estuary, with M. Llewellyn Thatcher and Donald R.F. Harleman, WW1:Feb 80:1:15172
TR:145:642

Nakagawa, Hiroji
Sand Bed Instability Due to Bed Load Motion, with Tetsuro Tsujimoto, HY12:Dec 80:2029:15936
Dsc, with Tetsuro Tsujimoto, HY1:Jan 80:221:15097, of "Statistical Analysis of Sediment Motions on Dunes", HY3:Mar 79:213:14438

Nakaguma, Roberto
See Carlos A. Brebbia, EM1:Feb 79:55:14338

Nakasone, Hideo
Dsc, HY9:Sept 79:1211:14793, of "Oxygen Transfer at Hydraulic Structures", HY11:Nov 78:1521:14190

Nakato, Tatsuaki
Mississippi River Shoaling: A Diagnostic Study, with Richard M. Baker and John F. Kennedy, HY11: Nov 79:1375:14978
Dsc: James E. Glover, HY10:Oct 80:1717:15721
TR:145:489

Nalepa, Randolph
See Ken M. Morgan, AS80:Aug 80:24

Nalluri, Chandramouli
Varied Flow Functions for Circular Channels, with John H. Tomlinson, HY7:July 78:983:13889
Dsc: James A. Liggett, HY4:Apr 79:436:14472
Clo: HY11:Nov 79:1453:14935
TR:145:95

Nambudripad, Kudallur
Dsc, HY9:Sept 80:1556:15663, of "Downstream Effects of Stormwater Management Basins", HY11: Nov 79:1343:14977

Naney, James W.
Establishing Ground Water Rights Using a Model, with Douglas C. Kent, IRKB:July 80:117
A Simple Method to Characterize Watershed Soils, with Lajpat R. Ahuja, IRKB:July 80:731

Narayana, V. V. Dhruva
Rain Water Management for Low Land Rice Cultivation in India, IR1:Mar 79:87:14430
TR:145:160

Narayanan, R.
Dsc, HY10:Oct 80:1715:15721, of "Inception of Sediment Transport", HY11:Nov 79:1433:14975

Narayanan, Rangaswami
Cavitation Induced by Turbulence in Stilling Basin, TN: HY4:Apr 80:616:15305
Force Fluctuations on Sill of Hydraulic Jump, with L. S. Schizas, HY4:Apr 80:589:15368
TR:145:644
Force on Sill of Forced Jump, with L. S. Schizas, HY7:July 80:1159:15552
Pressure Fluctuations beneath Submerged Jump, HY9:Sept 78:1331:14039
Dsc: Nguyen D. Thang, HY7:July 79:917:14662
Clo: HY5:May 80:938:15379
TR:145:136

Narayanan, Rangesan
See A. Bruce Bishop, IR3:Sept 79:317:14838
See Roger D. Hansen, WR1:Mar 80:275:15265

Narkiewicz, Steven A.
See Clair A. Waite, Preprint No.80-127, Apr 80, 21pp.

Narris, Ellsworth B.
See Donald Wolbrink, MGC:July 80:237

Nataraja, Mysore S.
Ocean Wave-Induced Liquefaction Analysis: A Review of Available Procedures, with H. S. Gill, Preprint No.80-571, Oct 80, 22pp.

Natarajan, P. R.
See B. Vijaya Rangan, ST12:Dec 78:1901:14240

Nathan, Sreenivasan V.
Dsc, GT2:Feb 78:295:13506, of "Foundation Performance of Tower of Pisa", GT3:Mar 77:227: 12814

Natsume, Shotaro
See Bennosuke Tanimoto, ST12:Dec 79:2725:15090

Naudascher, Eduard
See Michael Schatzmann, HY3:Mar 80:397:15239

Naughton, Henry R.
Dsc, GT9:Sept 78:1211:13978, of "Effect of Soil Set Up on Pile Driveability in Chalk", GT10:Oct 77: 1069:13293

Navin, Frank P.D.
See Peter Graham Buckland, ST4:Apr 80:915:15306

Nay, B. J.
See Henry N. Christiansen, CP80:June 80:1

Naymik, Thomas G.
Mass Transport in Regional Groundwater Basins, with Lewis D. Thorson, HYCO:Aug 80:407

Nazarian, Hagop N.
Earthquake-Induced Lateral Soil Pressures on Structures, with Asadour H. Hadjian, GT9:Sept 79:1049:14805
Dsc: Ioannis V. Constatopoulos, Alex P. Michalopoulos, John R. Hall, Jr. and David E. Troxell, GT11:Nov 80:1284:15783
Clo: GT11:Nov 80:1285:15783
TR:145:502

Nece, Ronald E.
Effects of Planform Geometry on Tidal Flushing and Mixing in Marinas, with Eugene P. Richey, Preprint No.80-039, Apr 80, 21pp.
See Rick D. Cardwell, CZ80:Nov 80:84

Neelamegam, M.
See B. V. Subrahmanyam, CO2:June 80:224:15440

Neely, Nancy S.
See James J. Walsh, EE80:July 80:62

Neff, Earl L.
Contour Furrowing as a Range Management Practice, with J. Ross Wight, IRKB:July 80:827

Neghassi, Habte Mariam
UN Water Conference: Scope for Transfer of Knowledge in Its Action Plan, WR1:Mar 80:351:15249
TR:145:443

Neil, Forrest C.
Water Resources for Chicago — History and Furure, with Frank E. Dalton, WR1:Mar 80:173:15269
TR:145:496
See Bart T. Lynam, TC2:Dec 79:401:15035

Neil, James H.
Teaching Site Layout for Construction, Preprint No.80-178, Apr 80, 13pp.

Neilson, A. O.H.
Dsc, British Buses More Efficient?, CE:Mar 80:41

Nelson, Dale A.
See Kenneth E. Hitch, Preprint No.80-621, Oct 80, 8pp.

Nelson, Ivan
See Paul Weidlinger, TC1:Aug 80:185:15658

Nelson, James D.
See Ronald L. Elliott, IR4:Dec 80:321:15913

Nelson, John D.
See David B. McWhorter, GT11:Nov 79:1317:14999
See Andrew A. Porter, SLS:June 80:34

Nelson, P.
See M. Board, Preprint No.80-167, Apr 80, 18pp.

Nelson, P. O.
Chemical Impacts of Dredging and Offshore Disposal in Coos Bay, Oregon, with Kenneth J. Williamson, Preprint No.80-132, Apr 80, 15pp.

Nelson, Richard B.
See Levon Minnetyan, ST4:Apr 80:897:15365

Nemat-Nasser, S.
Liquefaction Of Soil During Earthquakes, EM81:Jan 81:376

Nesbitt, John B.
See Raymond W. Reagan, EE80:July 80:282

Nester, Ernest E.
Minimum Weight Design, with Furman W. Barton, Preprint No.80-503, Oct 80, 13pp.

Nethercot, David A.
See Stephen W. Jones, Preprint No.80-179, Apr 80, 22pp.

Neuman, Timothy R.
User Cost Analysis in Urban Freeway Rehabilitation, TE6:Nov 79:623:14990
TR:145:474

Neumann, Charles A.
Drainage Water Reuse on the Columbia Basin Project, Preprint No.80-095, Apr 80, 18pp.

Neumann, Hans-Joachim
See Bernd Fiessler, EM4:Aug 79:661:14739

Neumann, Lance A.
Improving Highway Investment Programming Methods, TE5:Sept 80:599:15692

Newby, Jack E.
Dsc, GT11:Nov 78:1419:14116, of "Design for Railroad Ballast and Subgrade Support", GT1:Jan 78:45:13471

Newby, Richard A.
See Dale L. Keairns, EY2:Oct 80:213:15749

Newcomb, James
Transportation in New Jersey and the Clean Air Act, CAAA:Nov 79:114

Newell, Charles J.
Nonpoint Source Loads and Impacts to a Water Supply Reservoir, with Philip B. Bedient, EE80:July 80:364

Newman, John B.
See Michael D. Kotsovos, EM4:Aug 78:845:13922
See Kurt Berlin Gerstle, EM6:Dec 80:1383:15945

Newman, Stuart
Dsc, CE:July 80:35, on Computer-Aided Design and Drafting for Small Engineering Firms, CE:Feb 80:56

Newmark, Nathan M.
See Robert Smilowitz, ST12:Dec 79:2487:15066

Newsom, Donald E.
See Anshel J. Schiff, TC2:Dec 79:451:15091

Newton, R. E.
Finite Element Study of Shock Induced Cavitation, Preprint No.80-110, Apr 80, 13pp.

Ng, Julian
See Edward C. Stevenson, MGC:July 80:212

Nicholas, James C.
Economic Issues of Growth Management in Florida, Preprint No.80-611, Oct 80, 9pp.

Nicholas, Paul T.
Ponding on Flat Roofs, Preprint No.80-129, Apr 80, 13pp.

Nichols, John W.
Report on Improving Construction Arbitrations, CO1:Mar 79:1:14414
Dsc: Solomon Ribakoff, CO2:June 80:228:15440; Robert F. Borg, CO2:June 80:230:15440; Abinash C. Chaturvedi, CO2:June 80:232:15440
Clo: CO2:June 80:232:15440
TR:145:255

Nichols, Kathryn N.
See Kent S. Butler, CZ80:Nov 80:2036

Nichols, Robert L.
Dsc, CE:Jan 80:30, on Building Skyscrapers in Orbit, CE:July 79:66

Nicholson, Glenn A.
See Z. T. Bieniawski, CO4:Dec 80:616:15863

Nicholson, Peter J.
Rock Anchor System for Securing Failing Wall, TE2: Mar 79:199:14434
TR:145:146

Nicoletti, Joseph P.
See Andrew T. Merovich, Preprint No.80-592, Oct 80, 14pp.

Niedoroda, Alan W.
See Robert G. Bea, Preprint No.80-506, Oct 80, 23pp.

Niedzwaiadek, Harry A.
WAMS: A Computer-Based Mapping and Data Base Management System, with George R. Hoffman, ASDC:80:359

Nielsen, Arthur T.
Who Gives a Damn?, EI2:Apr 80:113:15323
TR:145:528

Nielsen, K.
See Patricia D. Galloway, Preprint No.80-174, Apr 80, 29pp.

Nielsen, Mogens P.
See Mikael W. Braestrup, ST3:Mar 79:690:14404

Nielsen, Peter
Dsc, WW4:Nov 80:498:15789, of "Sand Bed Friction Factors for Oscillatory Flows", WW3:Aug 79:229: 14754

Nielson, Robert S.
Transport Planning on Both Sides of the Pacific, MGC:July 80:248

Niemann, Bernard J., Jr.
See James L. Clapp, SU80:June 80:1

Niemann, Hans-Jurgen
Wind Effects on Cooling-Tower Shells, ST3:Mar 80: 643:15251
TR:145:610

Niemeyer, Gary C.
Efficient Simulation of Nonlinear Steady Flow, HY3: Mar 79:185:14420
TR:145:228
Long Wave Model Independent of Stability Criteria, WW1:Feb 79:51:14345
TR:145:256

Nilson, Arthur H.
See Erdal Atrek, ST3:Mar 80:693:15257

Nishkian, Byron L.
Five-Story Timber Framed Building, CE:Aug 80:48

Nitya, Anan
See Yeun C. Wu, EE2:Apr 79:357:14544

Niwa, Akira
See Ray W. Clough, ST12:Dec 79:2565:15062

Nix, Henry D.
See Raymond E. Davis, ST4:Apr 79:729:14491
See Raymond E. Davis, ST4:Apr 79:739:14492

Nix, Joe F.
Natural Fluctuations of Water Quality in a Headwater Stream, EFHYF:Mar 79:391

Nixon, David
See Laurent Hamel, CO3:Sept 78:333:13995
See Laurent Hamel, CE:Oct 80:152

Nizamuddin, Zuhayr
Fire Response of Reinforced Concrete Slabs, with Boris Bresler, ST8:Aug 79:1653:14784
TR:145:382

Noble, Charles M.
Highway History: Modern Turnpike Era Recounted, CE:Feb 79:73
Dsc: Wesley S. Mendenhall, Jr., CE:July 79:31
TR:145:89

Noble, Scott M.
Ship Motion Study at the Columbia River Entrance, Preprint No.80-160, Apr 80, 18pp.

Noda, Shigeru
See Yoshikazu Yamada, EM81:Jan 81:235

Nogami, Toyoaki
Coefficients of Soil Reaction to Pile Vibration, with Milos Novak, TN: GT5:May 80:565:15432
Dynamic Stiffness and Damping of Pile Groups in Inhomogeneous Soil, GTA80:Oct 80:31

Nohara, Kaysuya
The Japanese Travel Market, MGC:July 80:28

Noiray, Laure
See Jean-Pierre Giroud, Preprint No.80-177, Apr 80, 28pp.

Nolte, Kenneth G.
Statistics of Larger Waves in a Sea State, with Feng H. Hsu, WW4:Nov 79:389:14963
TR:145:545

Nopratvarakorn, V.
See J. T. Scardina, CP80:June 80:430

Nordenson, Guy J.P.
See Nicholas F. Forell, ST9:Sept 80:1907:15700

Nordin, Carl F., Jr.
See George V. Sabol, HY5:May 78:695:13758

Nordstrom, Karl F.
See Paul A. Gares, CZ80:Nov 80:1269

Normann, Jerome M.
Modeling of Storm Drainage in a Coastal City, HYUS:June 80:108

North, Michel
Time-Dependent Stochastic Model of Floods, HY5: May 80:649:15405
TR:145:678

Norum, Donald I.
Application of System Optimal Depth Concept, with Gideon Peri and William E. Hart, IR4:Dec 79:357: 15094
TR:145:605
See Gideon Peri, IR4:Dec 79:341:15093
See William E. Hart, IR3:Sept 80:221:15687

Nosenchuck, Norman H.
Location and Remediation of Abandoned Hazardous Wastes Sites, EE80:July 80:560

Notardonato, Frank
Corps Takes New Approach to Flood Control, with Arthur F. Doyle, CE:June 79:65
TR:145:259

Nouh, Mamdouh
Shear-Stress Distribution in Stable Channel Bends, with Ronald D. Townsend, HY10:Oct 79:1233: 14898
Dsc: Roger LeB. Hooke, HY7:July 80:1271:15512
TR:145:457

Novak, John T.
Chemical Conditioning of Activated Sludge, with Bjorn-Erik Haugan, EE5:Oct 79:993:14892
TR:145:501
Factors Influencing Activated Sludge Properties, with Harry Becker and Andrew Zurow, EE5:Oct 77:815: 13262
TR:145:10
See William R. Knocke, EE2:Apr 80:363:15363

Novak, Milos
Approximate Approach to Contact Effects of Piles, with Mohammed Sheta, GTA80:Oct 80:53
Impedance Functions of Piles in Layered Media, with Fakhry Aboul-Ella, EM3:June 78:643:13847
Dsc: Hirokazu Takemiya and Yoshikazu Yamada, EM2:Apr 79:351:14470
Clo: EM6:Dec 79:1063:15007
TR:145:42
See Aly Hindy, EM2:Apr 80:339:15308
See Toyoaki Nogami, TN: GT5:May 80:565:15432
See Aly Hindy, EM6:Dec 80:1135:15886
See Fakhry Aboul-Ella, EM6:Dec 80:1215:15895

Novak, Pavel
See Sean T. Avery, HY11:Nov 78:1521:14190

Novoa, Jose I.
Dsc, with Luis M. Salcedo, HY6:June 80:1139:15444, of "Urbanization Impact on Streamflow", HY6:June 79:647:14623

Novotny, Vladimir
Dsc, EE1:Feb 80:253:15158, of "In-Stream Deoxygenation Rate Prediction", EE2:Apr 79:323: 14523

Nowak, Andrzej S.
Practical Bridge Code Calibration, with Niels C. Lind, ST12:Dec 79:2497:15061
Dsc: Phillip S. Carskaddan and Geerhard Haaijer, ST10:Oct 80:2129:15722
TR:145:487

Nowatzki, Edward A.
Use of Fabrics to Reduce Stresses on Buried Culverts, with Bal K. Sanan and Robert L. Sogge, Preprint No.80-177, Apr 80, 24pp.

Nugent, Maynard Charles
Evaluation of Contractor Comments on the Quality of Specifications, CO2:June 78:153:13801
Dsc: Joseph P. Klein, III and Luke M. Snell, CO3:Sept 79:275:14791
TR:145:64

Nugent, R. Michael
See Carl D. Settergren, IRKB:July 80:661

Nuh, S.
See Roy Dangar, EM5:Oct 80:951:15762

Nummedal, Dah
See Shea Penland, CZ80:Nov 80:1425

Nunno, Thomas J.
See Thomas K. Jewell, EE3:June 78:485:13812

Nunziato, Jace W.
See Stephen L. Passman, EM4:Aug 80:773:15647

Nuss, G. S.
See Marshall J. English, IRKA:July 80:312

Nutt, Richard V.
See Roy A. Imbsen, EM81:Jan 81:416

Nyc, Rudolf
See Bill O. Wilen, CZ80:Nov 80:1847

Nydahl, John E.
See Vic A. Cundy, ST1:Jan 79:261:14271

Nyman, Douglas J.
See Thomas L. Anderson, TC1:Apr 79:149:14531

Nyman, Kenneth J.
See Jean M.E. Audibert, GT10:Oct 77:1119:13303

O'Bannon, Charles E.
See Burton A. Segall, TN: GT10:Oct 80:1148:15724

Oben-Nyarko, Kwabena
See Mordechai H. Diskin, HY2:Feb 78:261:13569

Oberman, Leonard S.
Sims is New ASCE President-Elect; Nine Other National Offices Filled, CE:Oct 80:143

O'Brien, Arthur J.
See Frank W. Pita, Preprint No.80-136, Apr 80, 22pp.

O'Conner, Edward J.
See Mikel Murga, ST12:Dec 80:2574:15868

O'Connor, Brian
See Christopher Koutitas, HY11:Nov 80:1843:15836

O'Connor, Colin
Bridge Appearance, with Michael D. Burgess, Michael J. Egan and John L. Olsen, ST1:Jan 80: 331:15107
TR:145:532

Odd, Nicholas V.M.
Vertical Mixing in Stratified Tidal Flows, with James G. Rodger, HY3:Mar 78:337:13599
Dsc: Gerrit Abraham and Adriaan G. van Os, HY1:Jan 79:116:14270; Richard H. French, HY4:Apr 79:431:14472
Clo: HY11:Nov 79:1447:14935
TR:145:40

Odegaard, Charles H.
The Coast in Washington State, CZ80:Nov 80:1354

O'Dell, Larry G.
Capacities of Steel H Piles Supported in Shale, with Alan N. Stilley, GTDF:80:288
Intrusion Pile Foundation Case History, with John M. Pool, GTDF:80:300

Odom, Leo M.
Potamology in 1932: Lower Mississippi River, WW4: Nov 79:405:14993
Errata: WW4:Nov 80:506:15789
TR:145:580

Odum, Howard T.
See Flora C. Wang, WR1:Mar 80:185:15266
See Flora C. Wang, WR2:July 80:451:15558

Oey, H. S.
Dsc, TE4:July 80:487:15514, of "Basic Pipe Stress Evaluation Summary", TE4:July 79:349:14691

Ofer, Z.
Instruments for Laboratory and In Situ Measurement of the Lateral Swelling Pressure of Expansive Clays, SLS:June 80:45
See D. R. Snethen, SLS:June 80:717

Ogden, Buckley L.
Problems and Possible Solutions for Pipeline Corridors in Developing Areas, Preprint No.80-630, Oct 80, 9pp.

O'Halloran, Daniel P.
Port Planning and Economic Development, PO80: May 80:47

Ohara, Hideo
See Tamotsu Matsui, GT10:Oct 80:1101:15776

Ohashi, Masamitsu
See Keizaburo Kubo, TC1:Apr 79:221:14548

Ojalvo, Morris
Unbraced Length Requirements for Steel I-Beams, with Ronald R. Weaver, ST3:Mar 78:479:13634
Dsc: David Allen, ST2:Feb 79:463:14356
Clo: ST11:Nov 79:2473:14936
TR:145:44
Dsc, ST4:Apr 80:939:15302, of "Torsional Stiffening of I-Girder Webs", ST8:Aug 79:1689:14788

Okada, Justin T.
See Edwin F. Laine, GT7:July 80:759:15556
See Edwin F. Laine, GT8:Aug 80:871:15649

Okamura, Norman H.
See G. Kem Lowry, Jr., CZ80:Nov 80:429

O'Keefe, S. J.
Water Pipeline Location, ASDC:80:131

Okorn, Dennis W.
See Roger C. Poe, SU1:Nov 79:51:14958

Okwuobi, Paul A.C.
Irrigation Prospects in Bendel State of Nigeria, IR1: Mar 79:99:14459
TR:145:260

Olander, Harvey C.
Study of Pipe with Concrete Bedding—Part III, with James W. Davidson, TE6:Nov 80:631:15838

Olariu, Ioan
See A. Pocanschi, ST10:Oct 79:2135:14869

Oleck, Robert F., Jr.
Soil-Structure Interaction in Seismic Analysis, with Samuel P. Clemence, Preprint No.80-037, Apr 80, 21pp.

Olenik, Thomas J.
See James F. Conley, Preprint No.80-563, Oct 80, 14pp.

Olexsey, Robert A.
Ames and the Environment, Preprint No.80-151, Apr 80, 20pp.

Olive, Richard T.
See Klaus R. Ludwig, EY2:Oct 80:235:15771

Olsen, John L.
See Colin O'Connor, ST1:Jan 80:331:15107

Olsen, Joseph M.
Feasibility of Sealing Boreholes with Compacted Earth to Protect Underground Nuclear Waste Repositories, with R. Torrence Martin, Preprint No.80-166, Apr 80, 15pp.

Olsen, Stephen
Local Assistance: A Problem in Translation, CZ80: Nov 80:1510

Olson, Bertel O.
Hydroconsolidation Stability of Palouse Loess, Preprint No.80-031, Apr 80, 12pp.

Olson, David A.
Precipitation Forecasting at a National Center, EFHYF:Mar 79:199

Olson, James V.
Ground-Water Quality at Rapid Infiltration Site, with Ronald W. Crites and Paul E. Levine, EE5:Oct 80: 885:15768
See Paul E. Levine, EE5:Oct 80:869:15767

Olson, R. Court
Effects of Planning, Scheduling, and Communicating on Crew Productivity, Preprint No.80-576, Oct 80, 7pp.

Olson, Robert A.
Policies for Lifeline and Critical Facility Safety, C080:80:180

Olson, Roy E.
One-Dimensional Consolidation Problems, with Charles C. Ladd, GT1:Jan 79:11:14330
Dsc: Gilliane C. Sills and Kuantsai Lee, GT7:July 80:830:15511
Clo: GT7:July 80:831:15511
TR:145:249

Olyniec, James H.
Bellefonte Primary Containment Structure, Preprint No.80-548, Oct 80, 14pp.

Olynyk, P. W.
See Peter C. Birkemoe, Preprint No.80-053, Apr 80, 22pp.

O'Neil, Robert S.
Subway Construction Costs: The Role of the Engineer, CO4:Dec 80:447:15916

O'Neill, Alan L.
See Donald E. Bowes, Preprint No.80-055, Apr 80, 30pp.

O'Neill, Michael W.
Expansive Clay Hazards for Shallow Foundations, with Nader Poormoayed, Preprint No.80-081, Apr 80, 30pp.
Methodology for Foundations on Expansive Clays, with Nader Poormoayed, GT12:Dec 80:1345:15949
See Ravi P. Aurora, TN: GT8:Aug 80:941:15639
See HoBoo Ha, GT8:Aug 80:952:15584

O'Neill, William D.
Time Series Modeling of Chicago Particulates, EE5: Oct 79:855:14887
Dsc: Sivajogi D. Koppula, EE3:June 80:678: 15441; A. Ramachandra Rao and G. Padmanabhan, EE5:Oct 80:1006:15717
TR:145:491

Onishi, Yasuo
See Stuart M. Brown, HYCO:Aug 80:397

Onstad, Charles A.
Thames Basin Nitrate and Agricultural Relations, with Jane Blake, IRKB:July 80:961

Onuf, Christopher P.
Science and Plans: California's Wetlands, CZ80:Nov 80:1858

Oosterveld, Martin
Water and Salt Transfers in an Irrigation District, with Jack M. Carefoot, IR2:June 79:197:14646
TR:145:379

Opiela, Kenneth S.
Applicability of Joint Development Tools in Detroit, with Snehamay Khasnabis and Ronald G. Arbogast, UP1:Nov 80:71:15861
See Ronald G. Arbogast, TE5:Sept 80:539:15709

Oppenheim, Irving J.
Lifeline Seismic Risk: Decisions Under Uncertainty, C080:80:218
Research Needs in Lifeline Earthquake Engineering, TC2:Dec 79:343:15089
TR:145:560
Shakedown under Elastic Support Conditions, ST7: July 80:1417:15536
Simulation of Water System Seismic Risk, TC2:Dec 79:327:15067
TR:145:454
See Chris Hendrickson, TC1:Aug 80:117:15631

Oran, Cenap
General Imperfection Analysis in Shallow Arches, EM6:Dec 80:1175:15907

Orbison, J. G.
See M. Gattass, EM81:Jan 81:502

Orenstein, Glenn S.
Establishing a Company Computer Network, TC2: Dec 79:363:15080
TR:145:530

Orford, J. D.
See R. W.G. Carter, CZ80:Nov 80:1304

Oriard, Lewis L.
Rockfill Quarry Experience, Ord River, Australia, with Joseph L. Jordan, CO1:Mar 80:37:15252
TR:145:607
TVA Blast Vibration Criteria for Mass Concrete, with James H. Coulson, Preprint No.80-175, Apr 80, 22pp.
See Rupert G. Tart, Jr., Preprint No.80-175, Apr 80, 15pp.

Orne, Donald E.
Michigan's System for Improved Highway Safety, HW80:Mar 80:19

Oron, Gideon
Stormwater and Reclaimed Effluent in Trickle Irrigation, with Gedaliah Shelef and Benjamin Zur, IR4:Dec 80:299:15906
Trickle Irrigation Using Treated Wastewaters, with Gedaliah Shelef and Berta Turzynski, IR2:June 79: 175:14611
TR:145:336
See David Karmeli, IR2:June 79:187:14612

Oros, Robert
See R. Uwe Jettmar, EE1:Feb 80:105:15173

O'Rourke, Michael J.
Computer Graphics in Education: A Case Study, with Robert U. Johnson and Larry J. Feeser, CP80: June 80:450

O'Rourke, Thomas D.
Some Ideas for Reducing Subway Construction Costs, CE:Nov 80:41

Orr, Joel N.
RMLR: What It Means to the Civil Engineer, SU80: June 80:229

Ortloff, Charles R.
See Richard A. Pries, Preprint No.80-072, Apr 80, 20pp.

Ortolano, Leonard
Water Planning and the Environment: 1776-1976, WR1:Mar 79:65:14413
TR:145:102
See John J. Meersman, TE4:July 80:15515

Osaimi, Ayed E.
Pore-Pressure Dissipation During Excavation, with G. Wayne Clough, GT4:Apr 79:481:14509
TR:145:346

Osborn, Herbert B.
See John R. Simanton, TN: HY7:July 80:1242:15516

Osborne, Thomas J.
Sediment Characteristics of the Tongue River Basin, with Charles B. Andrews, IRKB:July 80:114

Osman, Mohammed
See Paul Soros, PO80:May 80:11

Ossenbruggen, Paul J.
Offshore Wind Power Potential, with Gerard P. Pregent and L. David Meeker, EY1:Jan 79:81: 14290
TR:145:116
See Loren D. Meeker, EM2:Apr 80:201:15315

Osterkamp, Waite R.
Sediment-Morphology Relations of Alluvial Channels, IRKB:July 80:188

O'Sullivan, Brian J.
Marine Sanctuary Institutional Analysis, CZ80:Nov 80:1979

Ott, Steven A.
See Michael L. Barningham, TE3:May 80:309:15423

Ottosen, Niels Saabye
Constitutive Model for Short-Time Loading of Concrete, EM1:Feb 79:127:14375
Dsc: Jan Wastiels, EM1:Feb 80:192:15159; Michael D. Kotsovos, EM1:Feb 80:193:15159

Clo: EM6:Dec 80:1441:15865
TR:145:184

Otus, Mahmut
See Oliver H. Gilbert, Jr., GTDF:80:122

Ouano, Ely Anthony R.
Ideal Flow Patterns for Equalization Basins, TN: EE4:Aug 78:817:13913
Dsc: Boris M. Khudenko, TN: EE4:Aug 79:787:14720
Clo: TN: EE2:Apr 80:453:15296

Oulman, Charles
See Ahmet M. Saatci, EE2:Apr 80:463:15296

Overcash, Michael R.
See Larry F. Bliven, EE1:Feb 79:101:14343

Overman, Allen R.
Cation Transport in Packed Bed Reactor of Soil, with Brian R. McMahon, Rolan L. Chu and Flora C. Wang, EE2:Apr 80:267:15321
TR:145:682
Effluent Irrigation at Different Frequencies, EE3: June 79:535:14626
TR:145:391
Effluent Irrigation of Coastal Bermuda Grass, EE1: Feb 79:55:14359
TR:145:192
See Phillip R. Scheuerman, EE4:Aug 79:629:14756

Oweis, Issa S.
Equivalent Linear Model for Predicting Settlements of Sand Bases, GT12:Dec 79:1525:15051
Errata: GT10:Oct 80:1176:15720
TR:145:604
Evaluating Pile Performance During Earthquakes, Preprint No.80-111, Apr 80, 27pp.

Owen, Philip L.
Surfaces — Terrain Modeling and Contour Plotting, with William F. Blank, CP80:June 80:48

Owens, Eben L.
See Dan P. Morris, CE:Sept 80:78

Ozaydin, Kutay I.
Dsc, with Ali M. Erguvanli, GT5:May 79:706:14549, of "Uncertainties in Seismic Risk Procedures", GT7:July 78:869:13896

Ozsoy, E.
See R. Bruce Taylor, III, WW2:May 80:169:15424

Ozturk, Yasar F.
Mathematical Modeling of Dissolved Oxygen in Mixed Estuaries, EE5:Oct 79:883:14923
Errata: EE5:Oct 80:1010:15717
TR:145:523

Paaswell, Robert E.
See Katrin Parker-Simon, UP1:Nov 80:43:15827

Paavola, Juha
See Martti J. Mikkola, ST6:June 80:1343:15498

Pacelli, Alfred J.
Intermodal Transportation Garage Facility, TE4:July 80:401:15540

Pacey, John G.
See James O. Leckie, EE2:Apr 79:337:14533

Pachuta, John D.
See Roland M. Parsons, CO1:Mar 80:55:15267

Packer, Jeffrey A.
Dsc, with Linden J. Morris, ST9:Sept 78:1546:13981, of "Analysis of Bolted Connections Subject to Prying", ST11:Nov 77:2145:13352

Pacquin, Paul C.
See Robert V. Thomann, EE80:July 80:130

Padale, Janardan G.
See Santosh Kumar Guha, GT5:May 79:703:14549
See Santosh Kumar Guha, ST10:Oct 79:2129:14869

Padgett, William J.
Estimation of BOD and DO Probability Distribution, with A. N.V. Rao, EE3:June 79:525:14620
TR:145:380

Padmanabhan, G.
See A. Ramachandra Rao, EE5:Oct 80:1006:15717

Padmavally, Komarath
Dsc, HY12:Dec 79:1571:15009, of "Effective Depth in Channels Having Bed Undulations", HY1:Jan 79:67:14336
Dsc, with Mahadev J. Rajmane and Dattatreya B. Shirke, HY1:Jan 80:227:15097, of "Modeling Alluvial Channel Bed Transients", HY3:Mar 79:245:14456

Page, Adrian W.
Finite Element Model for Masonry, ST8:Aug 78:1267:13957
Dsc: Anatole Longinow, ST6:June 79:1215:14602; Triloki N. Ganju, ST8:Aug 79:1725:14724
Clo: ST4:Apr 80:935:15302
TR:145:66

Paily, Pauly P.
Evaluation of Compliance Criteria for River Plumes, HYCO:Aug 80:142

Palacios, Alejandro
See John H. Schmertmann, GT8:Aug 79:909:14769

Palazotto, Anthony N.
See Terry D. Hinnerichs, TN: EM3:June 80:567:15448

Palazzo, Antonio J.
Forage Grass Growth on Overland Flow Systems, with C. James Martel and Thomas F. Jenkins, EE80:July 80:347

Pall, Avtar S.
See Cedric Marsh, EM81:Jan 81:809

Palmer, E. Charles
Locating Reservoirs with Landsat: "A Texas Example", with Samuel D. McCulloch and A. E. Richardson, ASDC:80:11

Palmerlee, Christina R.
Computer Geographic Base Files for Sanitary Sewers, with Thomas M. Palmerlee and Dyan C. Conway, CP80:June 80:295

Palmerlee, Thomas M.
See Christina R. Palmerlee, CP80:June 80:295

Palsson, H.
See M. Meyyappa, EM81:Jan 81:141

Panayotounakos, Dimitrios E.
Circular Beam on Elastic Foundation, with Pericles S. Theocaris, EM5:Oct 79:839:14891
TR:145:404

Pande, Pramod K.
Flow Past Fence in Turbulent Boundary Layer, with Rajendra Prakash and Manharan L. Agarwal, HY1: Jan 80:191:15151
TR:145:572

Pandey, S. N.
A Seismo-Tectonic Study of the Western Narmada Valley Using Landsat Imagery, ASDC:80:171

Paolillo, A.
Control of Noise and Vibration in Buildings Near Subways, with H. Podolsky, EE80:July 80:414
Control of Noise of Rapid Transit Cars, with W. A. Jehle, EE80:July 80:406
See Stan Potter, EE80:July 80:421

Papadopoulos, Anestis P.
Natural Frequency of Timoshenko Beam on Flexible Base, with David M. Trujillo, EM2:Apr 80:307:15311
TR:145:589

Papanicolaou, P. N.
See J.-C. Chen, HY10:Oct 80:1720:15721

Parala, Marvin E.
See Fred P. Blanchard, Preprint No.80-077, Apr 80, 16pp.

Paramasivam, Velu
Vierendeel Frame Analysis: Slope-Shear Equations, TN: ST11:Nov 80:2333:15791
Dsc, with Kapil C. Barik, ST5:May 80:1231:15380, of "Size Effect in Damping Caused by Water Submersion", ST5:May 79:847:14581

Parameswaran, V. S.
See B. Vijaya Rangan, ST12:Dec 78:1901:14240

Parcher, James V.
Master's Degree - A Mixed Bag, EI4:Oct 79:227:14921
Dsc: C. A. Rodenberger, EI4:Oct 80:428:15718
TR:145:413
See Mohamed M. Aly Sabry, TE1:Jan 79:59:14278

Pardoen, Gerard C.
Bridge Modal Indentification Problems, with Athol J. Carr and Peter J. Moss, EM81:Jan 81:29
Damage Assessment of the Imperial Co. Services Building, with Gary C. Hart, Preprint No.80-680, Oct 80, 12pp.
Earthquake And Ambient Response Of EL Centro County Services Building, with Gary C. Hart and Barrett T. Bunce, EM81:Jan 81:164

Pariset, Ernest
Laguna de Bay Water Resources Development, EE6: Dec 77:1021:13420
Dsc: Robert H. Gedney, EE6:Dec 78:1311:14192
Errata: EE5:Oct 78:1053:14043, EE6:Dec 79:1180:15006
TR:145:24

Park, Robert
See Lawrence Selna, ST8:Aug 80:1717:15596
See Kevin J. Thompson, ST8:Aug 80:1755:15598

Park, William R.
Dsc, CO2:June 80:225:15440, of "Comparison of Friedman and Gates Competitive Bidding Models", CO1:Mar 79:25:14408

Parker, Denny S.
See Dan P. Morris, CE:Sept 80:78

Parker, Gary
Bar Resistance of Gravel-Bed Streams, with Allan W. Peterson, HY10:Oct 80:1559:15733
Hydraulic Geometry of Active Gravel Rivers, HY9: Sept 79:1185:14841
Dsc: Colin R. Thorne, Carlos V. Alonso and James C. Bathurst, HY7:July 80:1269:15512; Digamber M. Kondap and Ramachandra J. Garde, HY10:Oct 80:1708:15721
TR:145:452
Dsc, HY7:July 80:1260:15512, of "Theory of Minimum Rate of Energy Dissipation", HY7:July 79:769:14677

Parker, Henry W.
Communication: Key to Productive Construction, EI3:July 80:173:15553
See John W. Fondahl, CO1:Mar 79:51:14406

Parker, Neill E.
Structures in the Beach Zone: To Be or Not to Be, Preprint No.80-648, Oct 80, 8pp.

Parker, Valinda
The Coastal Land Development Process: Developer's Plights, with Kent S. Butler, CZ80:Nov 80:1010

Parker-Simon, Katrin
Population and Economic Data in Transit Analysis, with Robert E. Paaswell, UP1:Nov 80:43:15827

Parkin, Gene F.
Modeling Toxicity in Methane Fermentation Systems, with Richard E. Speece, EE80:July 80:288

Parkinson, David B.
Solution for Second-Moment Reliability Index, EM5: Oct 78:1267:14094
Dsc: Rudiger Rackwitz and Bernd Fiessler, EM5: Oct 79:918:14866
Clo: EM4:Aug 80:851:15583
TR:145:93

Parmakian, John
Dsc, HY2:Feb 80:348:15161, of "Upsurge and Speed-Rise Charts Due to Pump Shutdown", HY6:June 79:661:14637

Parnarouskis, Michael C.
See John S. Gardenier, PO80:May 80:555

Parnes, Raymond
Buckling of Bars with Variably Positioned Supports, TN: EM2:Apr 80:411:15303

Parr, A. David
Multiple Jets in Shallow Flowing Receiving Waters, with William W. Sayre, HY11:Nov 79:1357:14991
TR:145:493
Power Plant Diffuser-Pipe System, with William W. Sayre, EE6:Dec 79:1075:15048
TR:145:574

Parr, Alfred David
Short Thermal River Diffusers, with J. G. Melville and J. J. Dlubac, HYCO:Aug 80:131

Parra-Pardi, Gustavo
Modeling Pollution in Strait of Maracaibo, EE5:Oct 80:959:15751

Parsons, Annette
See Carlton S. Yee, IRKB:July 80:442

Parsons, Roland M.
System for Material Movement to Work Areas, with John D. Pachuta, CO1:Mar 80:55:15267
TR:145:619

Partheniades, Emmanuel
Engineer's Notebook: Graphs for Saline Wedges in Estuaries, with Vassilios Dermisis and Ashish J. Mehta, CE:Jan 80:90

Partos, Antal
A Study of Downdrag on a Cast-in-Place Concrete Pile, GTDF:80:311

Paschal, James E., Jr.
See Virginia Carter, CZ80:Nov 80:1537
See Vincent M. Caruso, CZ80:Nov 80:2308

Pase, Charles P.
See Earl F. Aldon, IRKB:July 80:91

Passman, Stephen L.
Shearing Flows of Granular Materials, with Jace W. Nunziato, Paul B. Bailey and John P. Thomas, Jr., EM4:Aug 80:773:15647

Pastor, Thomas P.
Beams with Torsional and Flexural Loads, with John T. DeWolf, ST3:Mar 79:527:14461
TR:145:225

Pate, Marie-Elisabeth
See Gregory Baecher, TN: GT1:Jan 80:101:15100

Patel, K. V.
See Wai F. Chen, Preprint No.80-179, Apr 80, 24pp.

Paterson, B. A.
Tile Drainage of Irrigated Till Soils in Alberta, with D. Brook Harker, IRKA:July 80:263

Pathak, B. N.
See K. R. Bulusu, EE2:Apr 80:466:15296

Pathmanathan, V.
Construction Equipment Downtime Costs, TN: CO4: Dec 80:604:15870
Dsc, CO3:Sept 79:277:14791, of "Summary Report of Questionnaire on Specifications (Contractor Returns)", CO3:Sept 78:353:14001

Patrickson, Carlos P.
Deterministic Torsional Building Response to Winds, with Peretz P. Friedmann, ST12:Dec 79:2621:15084
TR:145:509

Patry, Gilles G.
Analysis and Design of Equalization Facilities, EE80: July 80:183

Patterson, John
See Bob Hebbert, HY5:May 79:533:14593

Patterson, T. William
Tax Policies in Core Area Improvement Program, with Kumares C. Sinha, UP2:Nov 79:129:14967
TR:145:738

Pattison, John H.
See Owen M. Griffin, WW2:May 80:183:15414

Paulson, Boyd C., Jr.
Construction Management in Japan, with Tsuneo Aki, CO3:Sept 80:281:15670
Research in Japanese Construction Industry, CO1: Mar 80:1:15237
TR:145:595
Tokyo's Dainikoro Underwater Tube-Tunnel, CO4: Dec 80:489:15877
See John W. Fondahl, CO1:Mar 79:51:14406
See Robert M. Clark, CE:Oct 80:147

Paulson, Kurtz L.
Evaluating Aggregate Gradings for Nuclear Concrete, with R. Harlan Wright, Preprint No.80-507, Oct 80, 26pp.

Paulson, Richard W.
See William G. Shope, MGC:July 80:362
See William G. Shope, Preprint No.80-561, Oct 80, 14pp.

Pavia, Richard A.
Chicago Water System: Opportunities and Challenge of Lake Michigan, WR2:Sept 79:371:14856
TR:145:277

Pavlovic, Milija
Stability of Flexibly Connected Plate Systems, with Donald S. Mansell and Leonard K. Stevens, ST10: Oct 80:2077:15766

Pearce, Richard A.
Pull-Out Load Test of a Drilled Pier in Very Stiff Beaumont Clay, with Carl L. Brassow, GTDF:80: 331

Peattie, Kenneth R.
See Per Ullidtz, TE5:Sept 80:581:15682

Peck, Charles F.
Dsc, CE:Mar 80:42, on Testing Concrete in Place, CE:Oct 79:66

Peck, Ralph B.
Liquefaction Potential: Science Versus Practice, GT3: Mar 79:393:14418
Dsc: Arthur Casagrande, GT6:June 80:725:15443; Rene W. Luft, GT6:June 80:727:15443; Hugh Q. Golder, GT6:June 80:728:15443; Ricardo Dobry and Richard S. Ladd, GT6:June 80:720: 15443
Clo: GT6:June 80:729:15443
TR:145:317

Pecker, Alain
See Jean-Michel Dupas, GT3:Mar 79:419:14425

Peckham, William T.
Inflation — The Contractor's Enemy Too, Preprint No.80-097, Apr 80, 22pp.

Pecknold, David A.
See Visit Tansirikongkol, ST12:Dec 79:2529:15073
See Visit Tansirikongkol, EM2:Apr 80:361:15329

Pedersen, John T.
Hydrographs by Single Linear Reservoir Model, with John C. Peters and Otto J. Helweg, HY5:May 80: 837:15430
TR:145:695

Peel, Russell G.
Dual Rate Kinetic Model of Fixed Bed Adsorber, with Andrew Benedek, EE4:Aug 80:797:15638

Peil, Kelly M.
Reducing Sewer Infiltration/Inflow, with Douglas S. Diehl, CE:Dec 79:50
TR:145:509

Peirce, J. Jeffrey
Fairness Considerations and Alternative Policies, with Erhard F. Joeres and Martin H. David, WR1: Mar 80:81:15246
TR:145:420
Minimizing Treatment Costs in Multiplant Settings, with Erhard F. Joeres and Martin H. David, WR2: July 80:427:15557

Pekau, O. A.
See Pradip K. Syamal, EM81:Jan 81:902

Pell, Kynric M.
See Vic A. Cundy, ST1:Jan 79:261:14271

Pelletier, Mike
See Frank T. Caruccio, Preprint No.80-658, Oct 80, 14pp.

Pelliccione, Joseph F.
See John T. DeWolf, ST7:July 79:1379:14680

Peltier, Eugene J.
Ten are Elevated to ASCE Honorary Membership, CE:Oct 80:142

Pender, Michael J.
Dsc, GT7:July 80:833:15511, of "Simplified Analysis for Tunnel Supports", GT4:Apr 79:499:14541
Dsc, GT9:Sept 80:1068:15662, of "Stress Path Method: Second Edition", GT6:June 79:727:14655
Dsc, GT11:Nov 80:1277:15783, of "Nonlinear Soil Models for Irregular Cyclic Loadings", GT6:June 79:715:14642

Pendergast, James F.
See Paul L. Freedman, EE2:Apr 80:335:15355

Pengiran Damit, A. I.B.
Dsc, EI4:Oct 80:425:15718, of "Recruiting in Underdeveloped Countries", EI4:Oct 79:183:14878

Penland, Shea
Hurricane Impact at Dauphin Island, Alabama, with Dah Nummedal and William E. Schramm, CZ80: Nov 80:1425

Pennell, A. B.
Retention/Detention Basins in Coastal Areas, HYUS: June 80:299

Pennino, Bruce J.
See Dean K. White, HY7:July 80:1219:15554

Pennoni, Celestino R.
Sims is New ASCE President-Elect; Nine Other National Offices Filled, CE:Oct 80:143

Pense, Alan W.
See John W. Fisher, ST7:July 77:1339:13059
See John W. Fisher, Preprint No.80-029, Apr 80, 22pp.
See John W. Fisher, ST4:Apr 80:773:15343
See Richard Roberts, CE:May 80:64
See Richard Roberts, CE:July 80:60

Penzien, Joseph
See Sunil Gupta, EM81:Jan 81:201

Perera, Srilal
Linear Programming Solution to Network Compression, CO3:Sept 80:315:15680

Perez, Armando I.
Inland Routing of Hurricane Surges in Wetlands, with Robert Laura, John D. Wang and Bernard LeMehaute, HYUS:June 80:347
See R. Uwe Jettmar, EE1:Feb 80:105:15173

Perez, Jean Yves
See David M. Holloway, Preprint No.80-175, Apr 80, 38pp.

Peri, Gideon
Optimal Irrigation Depths — A Method of Analysis, with William E. Hart and Donald I. Norum, IR4: Dec 79:341:15093
TR:145:605
See William E. Hart, IR3:Sept 79:275:14827
See Donald I. Norum, IR4:Dec 79:357:15094
See William E. Hart, IR3:Sept 80:221:15687

Perkins, Jeanne B.
Quantifying Hazards Information for Lifelines, C080: 80:34

Perkins, Philip H.
Portland Cement Concrete Underground Pipelines, TE5:Sept 79:577:14863
TR:145:410

Perl, Jossef
See Yupo Chan, TE5:Sept 79:513:14831

Pernica, Gerald
See Johann H. Rainer, EM81:Jan 81:859

Perold, Roland P.
Computer Design of Microirrigation Pipe Systems, IR4:Dec 79:403:15060
TR:145:590

Perricelli, Vincent J.
Nuclear Testing of Utility Trench Backfill, CE:Nov 79:68
Dsc: R. L. Cavagnaro, CE:May 80:24
TR:145:452

Perry, John M.
See Ian S. Robinson, HY11:Nov 80:1915:15858

Pershe, Edward R.
Aquaculture Systems for Wastewater Treatment, EE80:July 80:103

Pesquera, C. I.
See M. Gattass, EM81:Jan 81:502

Peterman, Barry
See Ed Smith, EE80:July 80:634

Peters, John C.
See John T. Pedersen, HY5:May 80:837:15430

Peters, Robert E.
See C. James Martel, EE80:July 80:114

Peters, T. A.
See A. L. Wilson, TC1:Apr 79:113:14494

Petersen, Margaret S.
Recommendations for use of SI Units in Hydraulics, HY12:Dec 80:1981:15931

Peterson, Allan W.
See M. Emin Karahan, HY8:Aug 80:1345:15652
See Gary Parker, HY10:Oct 80:1559:15733

Peterson, Charles H.
See Dale L. Kearns, EY2:Oct 80:213:15749

Peterson, David H.
Seasonal Water Chemistry in the Tidal Potomac River, CZ80:Nov 80:1558

Peterson, Dean F.
Awards for 1980 to be given this Month: Hinds Award, CE:Oct 80:146

Peterson, Edward H.
See Ravi P. Aurora, TN: GT8:Aug 80:941:15639

Peterson, Joanne
Keep the Mosquito Fleet in the City, CZ80:Nov 80: 51

Peterson, John
A Wall Solves a Classroom Problem, Preprint No.80-502, Oct 80, 5pp.

Peterson, Spencer A.
See Donald B. Porcella, EE6:Dec 80:1151:15893

Petreanu, Marchiz
Energy Conservation through Arterial Improvements, with James J. Schuster, TE5:Sept 79:535:14847
TR:145:386

Petrites, Vincent
Transportation Controls to Promote Air Quality: The San Francisco Bay Area Experience, CAAA:Nov 79:179

Petroff, Larry J.
A Design Method for Fiberglass Pipe, Preprint No.80-558, Oct 80, 14pp.

Petrofsky, Alfred M.
Mixed Face Tunneling on Melbourne Underground, CO3:Sept 80:409:15695

Petry, Thomas M.
Relationships and Variations of Properties of Clay, with J. Clyde Armstrong, SLS:June 80:172
Dsc: V. Dakshanamurthy, SLS:June 80:747

Petulla, Louis W.
Dsc, UT79A:July 79:100, of "Distribution of Urban Transportation Costs", UT79A:July 79:81

Peyrot, Alain H.
Behavior of Beams and Flexible Pipes Under Tension, Preprint No.80-001, Apr 80, 15pp.
Marine Cable Structures, ST12:Dec 80:2391:15901
See Jun Wai Lee, Preprint No.80-606, Oct 80, 22pp.

Pfafstetter, Otto
Dsc, HY4:Apr 79:434:14472, of "Amazon Basin Hydrometeorology", HY6:June 78:887:13825

Pfoutz, W. D.
See Mark C. Anderson, EE80:July 80:378

Phene, C. J.
See James D. Rhoades, Preprint No.80-119, Apr 80, 20pp.

Philipson, Warren R.
See Thomas L. Erb, AS80:Aug 80:15
See Jan P. Berger, SU1:Nov 80:27:15815

Phillips, Allan L.
See Krishanlal C. Khatri, IR2:June 79:163:14613
See Victor A. Gillespie, IR3:Sept 79:247:14819

Phillips, Christopher J.
Predicting Sand Deposition at Porous Fences, with Brian B. Willetts, WW1:Feb 79:15:14379
TR:145:307

Phillips, Jeannette H.
Balancing Fish and Fuel on Georgia's OCS, with James O. Barber, CZ80:Nov 80:1098
See Carrol N. Curtis, CZ80:Nov 80:1969

Phillips, Kevin J.
Mitigating Runoff Pollution Into South Shore Bays of Long Island, New York, with Vito Minei, Thomas Maher and Philip A. Haderer, HYUS:June 80:228

Phippen, G. R.
Flood Plain Management Needs, EFHYF:Mar 79:322

Phraner, S. David
Direct Cost/Revenue Shortfalls in Transportation, with Victor Gulewicz, UT79A:July 79:60
Dsc: Damian J. Kulash, UT79A:July 79:77

Phukan, Arvind
Design of Deep Foundations in Discontinuous Permafrost, Preprint No.80-122, Apr 80, 21pp.

Picard, Peter R.
Combatting Inflation from the Federal Highway Administration Viewpoint, Preprint No.80-153, Apr 80, 16pp.

Pichon, Wayne
See Gretchen Keiser, CZ80:Nov 80:1481

Picologlou, Basil F.
Biofilm Growth and Hydraulic Performance, with Nicholas Zelver and William G. Characklis, HY5:May 80:733:15421
TR:145:689

Piepgrass, E. Bert
See R. G. Conway, SU80:June 80:59

Pierce, Louis F.
Esthetics in Oregon Bridges — McCullough to Date, Preprint No.80-026, Apr 80, 20pp.
Dsc, EI2:Apr 80:163:15297, of "Competition and Professional Ethics", EI3:July 79:137:14700

Piercy, John P.
Dsc, CE:Feb 80:28, on Education in Civil Engineering: Boost Professional Orientation?, CE:Aug 79:64

Pierstorff, Bruce W.
Water Pollution from Snow Removal Operations, with Paul L. Bishop, EE2:Apr 80:377:15331
TR:145:686

Pietz, Anthony Wayne
See James V. Williamson, EY1:Apr 80:57:15327

Pikarsky, Milton
Urban Transportation: Outlook and Policy, UT79A:July 79:35
Dsc: E. L. Tennyson, UT79A:July 79:42; C. Michael Walton, UT79A:July 79:44
Dsc, UT79A:July 79:115, of "Co-ordinated Use of Facilities", UT79A:July 79:109

Pilkey, Walter
See David Hsu, TN: EM4:Aug 80:836:15589

Pilkey, Walter D.
See Chirasak Thasanatorn, ST11:Nov 79:2327:14984

Pillai, Chittoor R.S.
Effective Depth in Channels Having Bed Undulations, HY1:Jan 79:67:14336
Dsc: Subhash C. Jain, HY11:Nov 79:1470:14935; Komarath Padmavally, HY12:Dec 79:1571:15009; Steve C. McCutcheon, HY1:Jan 80:218:15097
Clo: HY9:Sept 80:1535:15663
TR:145:205

Pillsbury, Arthur F.
Dsc, CE:Sept 79:34, on Nuclear Wastes: Safe Way to Dispose Them Underground Forever, CE:May 79:72

Pingel, Patricia P.
See Joseph H. Kenny, Preprint No.80-154, Apr 80, 8pp.

Pinjarkar, Suresh G.
Minicomputers in Full-Scale Structural Testing, with Otto C. Guedelhoefer, TC1:Apr 79:103:14497
TR:145:179

Pinnell, Steven S.
Construction/Engineering Management: A Comparison, Preprint No.80-069, Apr 80, 17pp.
Construction/Engineering Management: A Comparison, EI4:Oct 80:405:15779
Critical Path Scheduling: An Overview, CE:July 80: 66
Dsc: S. K. Sharma, CE:Dec 80:34

Pinter, P. J., Jr.
See R. D. Jackson, IRKA:July 80:390

Piracci, Ronald J.
Identification of CO Hot Spots in Upstate New York, CAAA:Nov 79:284

Pirie, Douglas M.
California Coastal Data Collection Program Status, with George W. Domurat, CZ80:Nov 80:2180
See George W. Domurat, CZ80:Nov 80:2171

Pisano, William C.
Southern Illinois Mine Waste Control Plan: A Summary, with Gerald L. Aronson, EE1:Feb 80:55: 15167
TR:145:591

Pister, K. S.
See M. A. Bhatti, Preprint No.80-635, Oct 80, 17pp.

Pita, Frank W.
Seismic Design of Seattle Waterfront Facilities, with Bradley P. Erickson and Arthur J. O'Brien, Preprint No.80-136, Apr 80, 22pp.

Pitt, William G.
See John E. Holland, SLS:June 80:448

Pivnik, Sheldon I.
Liability in Traffic and Highway Operations, TE4: July 79:373:14701
Errata: TE4:July 80:489:15514
TR:145:284

Plank, Roger J.
Dsc, with S. M.S. Ranjith Sangakkara, ST10:Oct 79: 2138:14869, of "Local, Distortional, and Lateral Buckling of I-Beams", ST11:Nov 78:1787:14155

Platts, William S.
See Walter F. Megahan, IRKB:July 80:380

Platz, J.
See William C. Carpenter, Preprint No.80-538, Oct 80, 13pp.

Plaut, Raymond H.
See Siegfried M. Holzer, EM2:Apr 80:289:15322
See Hari K. Turner, EM6:Dec 80:1365:15946

Pleasants, William W.
The Fly-Over: It Unclogs Urban Traffic in A Hurry, CE:May 80:71
Dsc: Richard C. Gern, CE:Oct 80:30
Errata: John S. Hassell, CE:Dec 80:30, William Pleasants, CE:Dec 80:33
TR:145:694
Dsc, CE:July 80:34, on America's Covered Bridges, CE:Feb 80:51

Plecnik, Joseph M.
Temperature Effects on Epoxy Adhesives, with Boris Bresler, James D. Cunningham and Robert Iding, ST1:Jan 80:99:15141
TR:145:568

Pletta, Dan H.
Margins for Survival: Overcoming Political Limits in Steering Technology by Edward Wenk, Jr. (Book Review), CE:Jan 80:33
Why Professional Schools for Engineers?, EI4:Oct 80: 349:15747

Plumb, Mahlon J.
Dsc, ST5:May 80:1233:15380, of "Railway-Bridge Impact: Simplified Train and Bridge Model", ST9: Sept 79:1823:14855

Plummer, Nelson W.
Power Line Stresses Environmental Concern, CE:Jan 80:86
TR:145:571

Plump, John H.
See Rupert G. Tart, Jr., Preprint No.80-175, Apr 80, 15pp.

Pocanschi, A.
Dsc, with Ioan Oiariu, ST10:Oct 79:2135:14869, of "Orthotropic Membrane for Tall Building Analysis", ST9:Sept 78:1495:14033

Podolsky, H.
See A. Paolillo, EE80:July 80:414

Poe, Roger C.
Mapping Little Blue Run Impoundment Project, with Dennis W. Okorn, SU1:Nov 79:51:14958
TR:145:735

Pohland, Frederick G.
Leachate Recycle as Landfill Management Option, EE6:Dec 80:1057:15899

Polak, E.
See M. A. Bhatti, Preprint No.80-635, Oct 80, 17pp.

Polhemus, Neil W.
Continuous Dynamic Models for Traffic Indices, TE6:Nov 79:639:14965
TR:145:433

Polkowski, Lawrence B.
See Karl G. Voelkel, EE80:July 80:307

Pollner, Eugenio
Dsc, ST7:July 80:1668:15513, of "Dynamic Characteristics of Coupled Shear Walls", ST8:Aug 79:1637:14783

Polls, Irwin
Pollutant Concentrations form Homogenous Land Uses, with Richard Lanyon, EE1:Feb 80:69:15169
TR:145:601

Polus, Abishai
Contraflow Bus Priority Lane Performance: A Case Study, with Joseph L. Schofer, TE3:May 79:297: 14559
TR:145:196
Limited Sight Distance Effect on Speed, with Shmuel Borovsky and Moshe Livneh, TE5:Sept 79:549: 14851
TR:145:394

Polzin, Steven E.
Service Quality Implications of Transbus, with Joseph L. Schofer, TE5:Sept 79:561:14862

Errata: TE5:Sept 80:615:15666
TR:145:401

Ponce, Stanley L.
Cost Effective Water Quality Monitoring, with E. Thomas Bartlett and Corey P. Wong, IRKB:July 80:530
See Shelley S. Ellis, IRKB:July 80:494

Ponce, Victor Miguel
Convergence of Four-Point Implicit Water Wave Models, with Horst Indlekofer and Daryl B. Simons, HY7:July 78:947:13890
Dsc: David R. Basco, HY9:Sept 79:1205:14793
Clo: HY5:May 80:936:15379
TR:145:98
Convergence of Implicit Bed Transient Models, with Horst Indlekofer and Daryl B. Simons, HY4:Apr 79:351:14493
TR:145:258
Generalized Stability Analysis of Channel Banks, IR4:Dec 78:343:14228
Dsc: Colin R. Thorne and N. Keith Tovey, IR4: Dec 79:436:15010; Luis Carballada, IR4:Dec 79: 437:15010
Clo: IR3:Sept 80:255:15664
TR:145:74
Linear Reservoirs and Numerical Diffusion, HY5: May 80:691:15393
TR:145:660
Modeling Alluvial Channel Bed Transients, with Jesus Lopez Garcia and Daryl B. Simons, HY3:Mar 79:245:14456
Dsc: Jean P. Chollet, HY1:Jan 80:226:15097; Komarath Padmavally, Mahadev J. Rajmane and Dattatreya B. Shirke, HY1:Jan 80:227: 15097
Clo: HY9:Sept 80:1537:15663
TR:145:246
Muskingum-Cunge Method with Variable Parameters, with Vujica Yevjevich, TN: HY12:Dec 78:1663: 14199
Dsc: Roland K. Price and Judith E. Slade, TN: HY11:Nov 79:1456:14935; Mohammad Akram Gill, TN: HY11:Nov 79:1457:14935
Clo: TN: HY7:July 80:1256:15512
Shallow Wave Propagation in Open Channel Flow, with Daryl B. Simons, HY12:Dec 77:1461:13392
TR:145:28
Unconditional Stability in Convection Computations, with Yung Hai Chen and Daryl B. Simons, HY9: Sept 79:1079:14807
Dsc: Guus S. Stelling, HY6:June 80:1144:15444; Veliore M. Arunachalam and Harihara Raman, HY9:Sept 80:1549:15663; Alastair G. Barnett and Graham B. McBride, HY12:Dec 80:2069: 15866
TR:145:416
Dsc, with Steve Yabusaki, HY8:Aug 79:1050:14723, of "Channel Routing by Finite Difference Method", HY10:Oct 78:1379:14088
Dsc, with Yung Hai Chen, HY11:Nov 79:1469: 14935, of "Modeling Two-Dimensional Circulating Flow", HY1:Jan 79:17:14312
Dsc, HY9:Sept 80:1552:15663, of "Flood Flow Frequency by SCS-TR-20 Computer Program", HY9:Sept 79:1123:14818
Dsc, with Fred D. Theurer, HY11:Nov 80:1945: 15784, of "Approximate Flood Routing Methods: A Review", HY12:Dec 79:1521:15057
See Ruh-Ming Li, TN: IR1:Mar 80:63:15230

Pool, Jacobus H.
See Knut H. Andersen, GT5:May 80:499:15434

Pool, John M.
See Larry G. O'Dell, GTDF:80:300

Pool, Ronald Q.
Chicago's Computerized Traffic Control System, TE4:July 79:401:14706
TR:145:316

Poormoayed, Nader
See Michael W. O'Neill, Preprint No.80-081, Apr 80, 30pp.
See Michael W. O'Neill, GT12:Dec 80:1345:15949

Poorooshasb, H. B.
Expansion of Cavities in Sand, with B. Lelievre, Preprint No.80-543, Oct 80, 14pp.
Uplift of Drilled Rigid Piers in Loose Sand, Preprint No.80-544, Oct 80, 14pp.

Popescu, Calin
Temporary Facilities — Utilities Designing Steps, Preprint No.80-178, Apr 80, 20pp.

Popescu, Calin M.
Development Planning and Scheduling Model, with James A. Wilson, UP1:Jan 79:25:14321
TR:145:677
Pitfalls of GSA-CMCS Software, CO1:Mar 79:95: 14432
TR:145:269

Popescu, Mihail
Behaviour of Expansive Soils with a Crumb Structure, SLS:June 80:158

Popov, Egor P.
Cyclic Inelastic Buckling of Thin Tubular Columns, with Victor A. Zayas and Stephen A. Mahin, ST11: Nov 79:2261:14982
Dsc: Clifford O. Hays, Jr., ST8:Aug 80:1833: 15586
TR:145:467
Inelastic Cyclic Behavior of Tubular Braced Frames, with Stephen A. Mahin and Victor A. Zayas, Preprint No.80-135, Apr 80, 18pp.
Inelastic Cyclic Behavior of Tubular Braced Frames, with Stephen A. Mahin and Victor A. Zayas, ST12: Dec 80:2375:15918
Seismic Analysis of Some Steel Building Frames, with Vitelmo V. Bertero, EM1:Feb 80:75:15194
TR:145:527
Seismic Behavior of Structural Subassemblages, ST7: July 80:1451:15519
See Charles W. Roeder, ST3:Mar 78:391:13619
See Helmut Krawinkler, Preprint No.80-179, Apr 80, 22pp.
See Bruce F. Maison, ST7:July 80:1401:15534

Porcella, Donald B.
Index To Evaluate Lake Restoration, with Spencer A. Peterson and David P. Larsen, EE6:Dec 80:1151: 15893

Porricelli, J. D.
See John J. Closner, PO80:May 80:469

Porter, Andrew A.
Strain Controlled Testing of Expansive Soils, with John D. Nelson, SLS:June 80:34

Posey, Chesley J.
How about Reverse Filters, CE:Apr 80:78
Dsc: R. G. Carroll, Jr., CE:Nov 80:26; Robert M. Koerner, CE:Aug 80:36
TR:145:673
Dsc, HY8:Aug 80:1412:15585, of "Gravel Size Analysis from Photographs", HY10:Oct 79:1247: 14908
Dsc, HY8:Aug 80:1413:15585, of "Inception of Sediment Transport", HY11:Nov 79:1433:14975

Posey, Frank H., Jr.
Unpredicted Rapid Erosion, Tybee Island, Georgia, with F. Wade Seyle, Jr., CZ80:Nov 80:1869

Potocko, Robert A.
See Conrad P. Heins, ST8:Aug 79:1689:14788

Potter, Stan
Control of Construction Noise, with A. Paolillo, EE80:July 80:421

Potyondy, Julius G.
Dsc, ST8:Aug 80:1826:15586, of "Structural Details and Bridge Performance", ST7:July 79:1393:14678

Poulos, Harry G.
Group Factors for Pile-Deflection Estimation, GT12: Dec 79:1489:15032
TR:145:587
Settlement of Single Piles in Nonhomogeneous Soil, GT5:May 79:627:14575
Dsc: Hugh Q. Golder, GT6:June 80:746:15443
Clo: GT6:June 80:747:15443
TR:145:399

Poulos, Steve J.
See Gonzalo Castro, GT6:June 77:501:12994

Powell, Roy F.
Approximate Method for Quick Flood Plain Mapping, with L. Douglas James and D. Earl Jones, Jr., WR1:Mar 80:103:15243
TR:145:400

Power, Max S.
See Brent Carson, CAAA:Nov 79:382

Powers, Fala
Influences on Plans for the Santa Ana River Channel Mouth, CZ80:Nov 80:1173

Powers, J.
See S. Roychowdhury, EE80:July 80:75

Powers, James J., III
See James Paul Tullis, HYCO:Aug 80:62

Prabhakara, Madanapalli K.
See John B. Kennedy, EM1:Feb 79:71:14363
See John B. Kennedy, ST7:July 80:1497:15518

Prager, Shelly
Stress Analysis of Marine Limestone Solution Features, with Zen Yang, Preprint No.80-619, Oct 80, 17pp.

Prakash, Anand
Optimal Sequence of Incremental Precipitation, TN: HY12:Dec 78:1668:14199
Errata: TN: HY2:Feb 80:343:15161
Dsc, TN: HY6:June 79:761:14600, of "Risk of Catastrophic Failure of Major Dams", TN: HY9: Sept 78:1349:13984

Prakash, Rajendra
See Pramod K. Pande, HY1:Jan 80:191:15151

Prakash, Shamsher
Analysis of Piles in Clay Against Earthquakes, with V. Chandrasekaran, Preprint No.80-109, Apr 80, 20pp.

Prasad, Baidyanath
See Kittur G. Ranga Raju, HY5:May 79:547:14596

Prasad, Bharat Bhushan
Response of Beams on Elastic Foundations to Dynamic Loading, with N. S.V. Kameshwar Roa, TN: EM1:Feb 80:179:15164

Prasad, Birendra
Optimal Structural Design with Plate Finite Elements, with Raphael T. Haftka, ST11:Nov 79: 2367:15004
TR:145:481

Prasada Rao, A. S.
Dsc, ST5:May 80:1222:15380, of "Direct Flexural Design of Prestressed Concrete", ST8:Aug 78:1231: 13958

Prashker, Joseph N.
Mode Choice Models with Perceived Reliability Measures, TE3:May 79:251:14569
TR:145:240

Praskey, John E.
Multidimensional Scaling in Recreational Planning, with R. Keith Weaver, Edward A. McBean and Keith William Hipel, WR1:Mar 80:61:15275
TR:145:527

Prasuhn, Alan L.
Modeling of Sediment Transport in Cottonwood Creek, with Edward F. Sing, HYCO:Aug 80:209

Prater, Edward G.
Cyclic Shear Resistance of Noncohesive Soils, TN: GT1:Jan 80:111:15100

Prater, Mark D.
See Keith W. Bedford, HYUS:June 80:289

Pratt, D. V.
See D. B. Robbins, CZ80:Nov 80:236

Pratt, H.
See M. Board, Preprint No.80-167, Apr 80, 18pp.

Pray, Francis Ellard, Jr.
Memoir of, TR:145:757

Pregent, Gerard P.
See Paul J. Ossenbruggen, EY1:Jan 79:81:14290
See Loren D. Meeker, EM2:Apr 80:201:15315

Preissmann, Alexandre
See Forrest M. Holly, Jr., HY11:Nov 77:1259:13336

Preller, Christian
See Budhi Sagar, IR3:Sept 80:189:15673

Prescott, Dennis A.
The San Diego Regional Coastal Access Study, CZ80:Nov 80:1662

Preston, John W., Jr.
See Barry A. Benedict, HYCO:Aug 80:322

Prevost, Jean-Herve
Anisotropic Undrained Stress-Strain Behavior of Clays, GT8:Aug 78:1075:13942
Dsc: St. S. Tsotsos and Th. N. Hatzigogos, GT8: Aug 79:991:14722
Clo: GT3:Mar 80:338:15224
TR:145:146
Plastic-Limit Equilibrium States in Soil Media, with Beverly E. Hjorth, Preprint No.80-574, Oct 80, 14pp.
Undrained Shear Tests on Clays, GT1:Jan 79:49: 14311
Dsc: Maxwell C. Ervin and Brian C. Burman, GT4:Apr 80:477:15300

Clo: GT4:Apr 80:481:15300
TR:145:236

Price, Roland K.
Dsc, HY8:Aug 79:1049:14723, of "Channel Routing by Finite Difference Method", HY10:Oct 78:1379: 14088
Dsc, with Judith E. Slade, TN: HY11:Nov 79:1456: 14935, of "Muskingum-Cunge Method with Variable Parameters", TN: HY12:Dec 78:1663: 14199
Dsc, HY11:Nov 80:1947:15784, of "Approximate Flood Routing Methods: A Review", HY12:Dec 79:1521:15057

Pries, Richard A.
Wave Energy Transfer to a Spring Supported Plate, with Charles R. Ortloff, Preprint No.80-072, Apr 80, 20pp.

Prins, Adry
See Peter M.J. Kerssens, HY5:May 79:461:14574

Prins, Dennis A.
See Edward Meisburger, CZ80:Nov 80:810

Proctor, Richard J.
Dsc, GT5:May 80:583:15378, of "Geology and Geotechnical Engineering", GT3:Mar 79:339:14444

Prossen, Peter J.
An Agricultural Instrumentation System for Optimal Use of Irrigation Water, Preprint No.80-130, Apr 80, 21pp.

Prosuch, Marjorie A.
Design of Statfjord B Articulated Loading Platform, PO80:May 80:385

Pruitt, W. O.
Production Functions for Tomatoes as Affected by Irrigation and Row Spacing, with A. A. Kamgar, D. W. Henderson and Robert M. Hagan, IRKA:July 80:346

Prych, Edmund A.
Perturbation Solutions for Water-Table Aquifers, TN: HY4:Apr 80:603:15305
Dsc, HY3:Mar 79:288:14402, of "Dispersion in Rivers as Related to Storage Zones", HY5:May 78: 695:13758

Psuty, Norbert P.
See Paul A. Gares, CZ80:Nov 80:1269

Pucher, John
See Chris Hendrickson, UT79A:July 79:81

Pulling, Ronald W.
Awards for 1980 to be given this Month: Laurie Prize, CE:Oct 80:146

Pullman, J. Barrett
Alcohol Fuel Impacts Upon Energy Conservation and Air Quality, CAAA:Nov 79:341

Purdom, P. Walton
Freedom and Environmental Quality, EI3:July 77: 211:13057
Dsc: Franklin L. Kury and Walter A. Lyon, EI4: Oct 78:355:14044
Clo: EI3:July 79:173:14660
TR:145:16

Puri, Kewal K.
Damping of Gravity Waves Over Porous Bed, HY2: Feb 80:303:15214
TR:145:592

Putchat, Nathan
See Frederick W. Morris, IV, Preprint No.80-649, Oct 80, 10pp.

Pyke, Robert M.
Nonlinear Soil Models for Irregular Cyclic Loadings, GT6:June 79:715:14642
Dsc: Michael J. Pender, GT11:Nov 80:1277: 15783; Frank E. Richart, Jr., GT11:Nov 80: 1280:15783
Clo: GT11:Nov 80:1281:15783
TR:145:412
Dsc, GT10:Oct 79:1260:14867, of "Definition of Terms Related to Liquefaction", GT9:Sept 78:1197: 14037

Pyles, Marvin R.
Dispersion Estimates for Hydraulic Dredge Spoil, with Warren L. Schroeder, EE3:June 79:571:14625
TR:145:385

Quay, Ray
See Kent S. Butler, CZ80:Nov 80:2036

Quibel, Alain
See Renaud Sanejouand, GT11:Nov 80:1290:15783

Quinn, Stephen B.
Direct Liability — Field Errors, Preprint No.80-523, Oct 80, 6pp.

Quintana, Victor H.
See Mohamed Abdel-Rohman, EM1:Feb 80:57:15192

Quon, Jimmie E.
See Richard A. Wadden, EE4:Aug 79:621:14733

Raad, Lutfi
Load Response of Transportation Support Systems, with Jose L. Figueroa, TE1:Jan 80:111:15146
TR:145:554
Dsc, EM2:Apr 79:356:14470, of "Plasticity Solutions for Concrete Splitting Tests", EM3:June 78:691: 13852

Raamot, Tonis
See Raj P. Khera, GTDF:80:235

Raats, Peter
See Robert C. Rice, EE6:Dec 80:1079:15912

Rabb, Aubrey Philip
See Steven K. Starkey, ST7:July 80:1670:15513

Rabbitt, Mary
The USGS Centennial: From Mining to Mapping the Moon, with Virginia Fairweather, CE:Feb 79:68
Errata: CE:Oct 79:31
TR:145:83

Rackwitz, Rudiger
Dsc, with Bernd Fiessler, EM5:Oct 79:918:14866, of "Solution for Second-Moment Reliability Index", EM5:Oct 78:1267:14094
See Bernd Fiessler, EM4:Aug 79:661:14739
See Karl Breitung, TN: ST7:July 80:1663:15513

Rad, Parviz F.
Delays in Construction of Nuclear Power Plants, EY1:Jan 79:33:14287
TR:145:68

Rademaker, A. Douglas
Leachates from Solid Waste Recovery Operations, with James C. Young, Preprint No.80-040, Apr 80, 22pp.

Radhakrishnan, N.
Computer-Aided Design in the Corps, CP80:June 80: 571

Rafay, Tariq
Structural Design Criteria for Power Plants, Preprint No.80-044, Apr 80, 21pp.

Ragan, Robert M.
A Data Base System for Real Time Hydrologic Modeling, with Jack D. Fellows, AS80:Aug 80:33
Runoff Synthesis Using Landsat and SCS Model, with Thomas J. Jackson, HY5:May 80:667:15387
TR:145:648

Rahal, Assaf S.
See Robert C. Deen, TE2:Mar 80:155:15273

Rahimi, Mohsen Mahmoudzadeh
Partially Steel-Fiber Reinforced Mortar, with Clyde E. Kesler, ST1:Jan 79:101:14282
TR:145:129

Rahm, G. G.
Dsc, Hint from Abroad, CE:July 80.32

Rahman, Fazlur
Thermal Stress Analysis of Continuous Skew Bridge, with Kalankamary P. George, ST7:July 79:1525: 14695
TR:145:363
Thermal Stresses in Skew Bridge by Model Test, with Kalankamary P. George, ST1:Jan 80:39:15112
TR:145:541

Rahman, M.
See A. P. S. Selvadurai, EM81:Jan 81:361

Rahman, Matiur
Dsc, HY8:Aug 78:1207:13910, of "Accurate Calculation of Transport in Two Dimensions", HY11:Nov 77:1259:13336

Rai, Iqbal S.
See Charles A. Moore, GT2:Feb 79:131:14372

Rai, Sri P.
See Nallamuthu Rajaratnam, EM5:Oct 79:779:14882

Raichlen, Fredric
See Derek G. Goring, WW2:May 79:171:14582

Rainer, Johann H.
Damping Of A Floor Sample, with Gerald Pernica, EM81:Jan 81:859
See Peter Graham Buckland, ST5:May 79:859:14557

Rainer, Rex K.
See Lansford C. Bell, TE6:Nov 80:697:15825

Rajagopal, Holenarasipur Y.
Dsc, HY1:Jan 80:211:15097, of "Vortex Formation at Vertical Pipe Intakes", HY10:Oct 78:1429:14104

Rajagopalan, K. S.
Combined Torsion, Bending, and Shear on L-Beams, ST12:Dec 80:2475:15944
Dsc, ST10:Oct 79:2137:14869, of "High-Strength Concrete in Ultimate Strength Design", ST11:Nov 78:1761:14139

Rajagopalan, Krishnaiyengar
Dsc, ST6:June 80:1386:15446, of "Meridional Imperfection in Cooling Tower", ST6:June 79:1089: 14636
Dsc, with Nagesh R. Iyer, ST12:Dec 80:2571:15868, of "Buckling of Stiffened Hyperboloidal Cooling Towers", ST10:Oct 79:1999:14917

Rajamane, N. P.
See B. V. Subrahmanyam, CO2:June 80:224:15440

Rajan, S. D.
See Jasbir S. Arora, Preprint No.80-501, Oct 80, 13pp.

Rajar, Rudi
Mathematical Simulation of Dam-Break Flow, HY7: July 78:1011:13883
Dsc: Delbert D. Franz, HY8:Aug 79:1043:14723
Errata: HY3:Mar 79:290:14402, HY3:Mar 80:453: 15225
TR:145:84

Rajaratnam, Nallamuthu
Erosion by Circular Wall Jets in Cross Flow, HY11: Nov 80:1867:15842
Interaction between Main Channel and Flood-Plain Flows, with Reza M. Ahmadi, HY5:May 79:573: 14591
Dsc: Peter R. Wormleaton, John Allen and Panos Hadjipanos, HY5:May 80:942:15379
Clo: HY11:Nov 80:1944:15784
TR:145:311
Plane Turbulent Wall Wakes, with Sri P. Rai, EM5: Oct 79:779:14882
Errata: EM6:Dec 80:1445:15865
TR:145:392
See Pande B.B. Lal, EM6:Dec 79:1025:15043

Rajmane, Mahadev J.
See Komarath Padmavally, HY1:Jan 80:227:15097

Raksit, Sagar
See Raymond L. Huitric, EE80:July 80:55

Rallison, Robert E.
Origin and Evolution of the SCS Runoff Equation, IRKB:July 80:912
Dsc, with Roger G. Cronshey, IR4:Dec 79:439: 15010, of "Runoff Curve Numbers with Varying Site Moisture", IR4:Dec 78:389:14254

Ramachandra Rao, Keshavamurthi
See Srinivasan Thiruvengadachari, WR2:July 80:493: 15563

Ramaley, Brian L.
Reuse Alternatives in the Los Angeles Basin, with Gordon P. Treweek, Frank A. Grant and E. Wiley Horne, EE80:July 80:207

Ramamurthy, Amruthur S.
Lateral Weir Flow Model, with Luis Carballada, IR1: Mar 80:9:15285
TR:145:644
Uniformly Discharging Lateral Weirs, with Kanakati Subramanya and Luis Carballada, IR4:Dec 78:399: 14252
Errata: IR3:Sept 79:340:14794
TR:145:112

Raman, Harihara
See Iyyanki V. Muralikrishna, HY2:Feb 78:308:13507
See Arunachalam M. Aruncachalam, WW2:May 80: 296:15382
See Vellore M. Arunachalam, HY9:Sept 80:1549: 15663

Raman, P. V.
See K. T. Sundara Raja Iyengar, TN: EM4:Aug 80: 842:15589

Ramaprian, B. R.
Transitional Periodic Boundary Layer Study, with A. Mueller, HY12:Dec 80:1959:15908

Rama Rao, R.
Significance of Particle Size Distribution Similarity in Prediction of Swell Properties, with P. Smart, SLS: June 80:96

Ramaswamy, Salem D.
Treatment of Peaty Clay by High Energy Impact, with Mohamed A. Aziz, Raja V. Subrahmanyam, M. H. Abdul Khader and Seng-Lip Lee, GT8:Aug 79:957:14787
Dsc: Thomas J. Kaderabek, GT10:Oct 80:1170: 15720
Clo: GT10:Oct 80:1171:15720
TR:145:484

Ramberg, Steven E.
Free Vibrations of Taut and Slack Marine Cables, with Owen M. Griffin, ST11:Nov 77:2079:13321
Dsc: A. S. Richardson, Jr., ST6:June 78:1038: 13789; Murari L. Gambhir, ST6:June 78:1040: 13789
Clo: ST12:Dec 78:1926:14179
TR:145:20
See Owen M. Griffin, WW2:May 80:183:15414

Ramey, George E.
Windspeed Analysis of 1977 Birmingham Tornado, with Roy C. Johnson, Jr., ST9:Sept 80:1867:15679

Rampal, Kunwar K.
System Calibration of Metric Cameras, SU1:Nov 78: 51:14157
Errata: SU1:Nov 79:118:14937
TR:145:266

Ramsay, W. Alex
See John P. Braaksma, TE6:Nov 79:699:14945

Ramsden, H. D.
OTEC-1, Extracting Energy from the Ocean, with N. A. Svensen, Preprint No.80-079, Apr 80, 21pp.

Ramsey, Fred V.
See Franklin W. Ellis, HY9:Sept 80:1457:15711

Ramsey, Heyward R., III
See Robert M. Sweazy, EE80:July 80:357

Randolph, Mark F.
See John P. Carter, GT8:Aug 79:993:14722

Randtke, Stephen J.
Removal of Soluble Secondary-Effluent Organics, with Perry L. McCarty, EE4:Aug 79:727:14763
TR:145:439

Rangaiah, N.
See Kanakapura S. Subba Rao, ST11:Nov 79:2419: 14959

Rangan, B. Vijaya
Lower Bound Limit Design of Concrete Structures, with P. R. Natarajan and V. S. Parameswaran, ST12:Dec 78:1901:14240
Dsc: Himat T. Solanki, ST10:Oct 79:2142:14869
TR:145:125
See M. Abdul Mansur, ST7:July 78:1061:13861

Ranganatham, Balagolam V.
See Kanakapura S. Subba Rao, ST11:Nov 79:2419: 14959

Ranga Raju, Kittur G.
Side Weir in Rectangular Channel, with Baidyanath Prasad and Sushil K. Gupta, HY5:May 79:547: 14596
Errata: HY8:Aug 80:1412:15585
TR:145:323
See Akalank K. Jain, HY9:Sept 78:1323:14038
See Akalank K. Jain, HY10:Oct 78:1429:14104
See Jagdish P. Soni, HY1:Jan 80:117:15147
See Vidhan C. Agarwal, HY10:Oct 80:1699:15721
See Nandana Vittal, HY10:Oct 80:1705:15721

Rango, Albert
Improved Watershed Management using Remote Sensing, IRKB:July 80:1019
Snow-Covered Area Utilization in Runoff Forecasts, with Jack F. Hannaford, Michael Rosenzweig and A. Jean Brown, HY1:Jan 79:53:14326
Errata: HY1:Jan 80:216:15097
TR:145:195
See Mark E. Hawley, IRKB:July 80:347

Ransford, Geoffrey D.
Dsc, HY1:Jan 80:229:15097, of "Uplift Pressures on Hollow Gravity Dams", HY3:Mar 79:257:14464

Rao, A. N.V.
See William J. Padgett, EE3:June 79:525:14620

Rao, A. Ramachandra
Dsc, with G. Padmanabhan, EE5:Oct 80:1006:15717, of "Time Series Modeling of Chicago Particulates", EE5:Oct 79:855:14887
See Aolad Hossain, HY2:Feb 78:169:13565

Rao, Donthamsetti Veerabhadra
Log Pearson Type 3 Distribution: A Generalized Evaluation, HY5:May 80:853:15391
TR:145:654
Log Pearson Type 3 Distribution: Method of Mixed Moments, HY6:June 80:999:15477
TR:145:713

Rao, K. M.
Exact Analysis of Unsymmetric Laminated Beam, with B. G. Ghosh, ST11:Nov 79:2313:14983
TR:145:468
Imperfectly Bonded Unsymmetric Laminated Beam, with B. G. Ghosh, EM4:Aug 80:685:15623

Raphael, Jerome M.
Strength and Deformability of Highly Fractured Rock, with Richard E. Goodman, GT11:Nov 79: 1285:14988
TR:145:570

Rardin, Ronald L.
The USS Program in Metro Dade's Rapid Transit Project, with Liana Stanton and Charles C. Schimpeler, Preprint No.80-612, Oct 80, 14pp.

Rasdorf, William
Design Specification Representation and Analysis, with Steven J. Fenves, CP80:June 80:102

Rasey, Steven M.
Slurry Pipeline Design with Geometric Programming, with Robert R. Faddick, TE6:Nov 80:815:15841

Rasmussen, Wayne P.
See Yupo Chan, UP1:Jan 79:9:14299

Rasmussen, William O.
Predicting the Spatial Variation in Erosion, with John L. Thames and Peter F. Ffolliott, IRKB:July 80:781

Rassaian, Mostafa
See Allan M. Zarembski, TE6:Nov 79:715:14998

Ratay, Dr. Robert T.
Dynamic Of Low-Profile Ship Loading Container Cranes, with Tibor Szegezdy, EM81:Jan 81:760

Rathbun, Ronald E.
Laboratory Studies of Gas Tracers for Reaeration, with D. W. Stephens, David J. Shultz and D. Y. Tai, EE2:Apr 78:215:13679
Dsc: Ernest C. Tsivoglou, EE2:Apr 79:426:14468
Clo: EE3:June 80:663:15441
TR:145:42

Ratigan, Joe L.
See Paul F. Gnirk, Preprint No.80-164, Apr 80, 22pp.

Ratliff, George D., Jr.
Dsc, ST8:Aug 79:1726:14724, of "Tornado Data Characterization and Windspeed Risk", ST10:Oct 78:1611:14096

Ravindra, Mayasandra K.
Load and Resistance Factor Design for Steel, with Theodore V. Galambos, ST9:Sept 78:1337:14008
Dsc: Raymond M.L. Ting, ST6:June 79:1219:14602
Clo: ST2:Feb 80:572:15162
TR:145:87
Wind and Snow Load Factors for Use in LRFD, with C. Allin Cornell and Theodore V. Galambos, ST9:Sept 78:1443:14006
Dsc: Emil Simiu, ST10:Oct 79:2130:14869; Theodore Stathopoulos, ST10:Oct 79:2132:14869
Clo: ST8:Aug 80:1821:15586
TR:145:82
See Reidar Bjorhovde, ST9:Sept 78:1371:14016
See Peter B. Cooper, ST9:Sept 78:1389:14012
See William Charles Hansell, ST9:Sept 78:1409:14005
See John W. Fisher, ST9:Sept 78:1427:14017
See Sukhmander Singh, Preprint No.80-647, Oct 80, 20pp.

Rawlins, Stephen L.
Response of Cotton to Brackish Irrigation Water (Abstract), with James D. Rhoades, IRKA:July 80:197
See James D. Rhoades, Preprint No.80-119, Apr 80, 20pp.

Rawls, Walter J.
Comparison of Areal Snow Sampling Procedures, with Thomas J. Jackson and J. F. Zuzel, IRKB:July 80:356
Economic Assessment of Storm Drainage Planning, with Richard H. McCuen, WR1:Nov 78:45:14162
Dsc: Michael K. Koesling, WR2:Sept 79:442:14797
Clo: WR2:July 80:564:15515
TR:145:76

Ray, Arliss D.
Hydrology and Environmental Assessments, with William P. Wenstorm and Dan D. Taylor, EFHYF:Mar 79:387

Ray, Gautam
See Dhanjoo N. Ghista, EM1:Feb 78:97:13521

Ray, Gordon K.
Dsc, TE4:July 80:490:15514, of "Sulfur: Potential Pavement Binder of the Future", TE5:Sept 79:525:14835

Ray, Richard P.
Predrilling: Minimizes the Undesirable Effects of Pile Installation?, with Edward J. Ulrich, Jr. and James Malinak, GTDF:80:459

Raymond, Gerald Patrick
Design for Railroad Ballast and Subgrade Support, GT1:Jan 78:45:13471
Dsc: Jack E. Newby, GT11:Nov 78:1419:14116; Leslie L. Karafiath, GT1:Jan 79:118:14269
Clo: GT11:Nov 79:1368:14934
TR:145:80
Examination of Degraded Aggregate Cement Value Test, TE3:May 79:329:14595
TR:145:258
Railroad Ballast Load Ranking Classification, with Vishnu A. Diyaljee, GT10:Oct 79:1133:14900
TR:145:525
Railroad Ballast Prescription: State-of-the-Art, GT2:Feb 79:305:14397
TR:145:305

Razzaq, Zia
Biaxial Bending of Beams With or Without Torsion, with Theodore V. Galambos, ST11:Nov 79:2145:14972
TR:145:455
Biaxial Bending Tests with or without Torsion, with Theodore V. Galambos, ST11:Nov 79:2163:14973
TR:145:455
Elastic Instability of Unbraced Space Frames, with Moossa M. Naim, ST7:July 80:1389:15535

Read, William B.
LOOP: Delivering Oil Where It's Needed, PO80:May 80:163

Readshaw, John S.
See Loring E. Hanson, HYCO:Aug 80:51

Reagan, Raymond W.
Biokinetics of Phosphorus Removal in PHOSTRIP Activated Sludge, with John B. Nesbitt, EE80:July 80:282

Reckert, Robert D.
Professional Development in Iowa: 1979 Surveys, Preprint No.80-002, Apr 80, 13pp.
Professional Development in Iowa: 1979 Surveys, EI4:Oct 80:365:15765

Reda Youssef, Mahmoud A.
Dowel Action in Concrete Beams Subject to Torsion, with Alfred G. Bishara, ST6:June 80:1263:15455
TR:145:668
Reinforced Gypsum for Egyptian Housing, with Albert G.H. Dietz, Preprint No.80-169, Apr 80, 20pp.

Reddy, Dronnadula V.
See Umesh Dayal, GT8:Aug 80:919:15657

Reddy, V. Sudhakar
See Sandra K. Kincannon, ST7:July 80:1437:15537
See Charles W. Bert, Preprint No.80-623, Oct 80, 13pp.

Redfield, Charles
See Felix Kulka, Preprint No.80-636, Oct 80, 14pp.

Redwood, Richard G.
Critical Loads for Webs with Holes, with Minoru Uenoya, ST10:Oct 79:2053:14925
TR:145:437

Reece, A. M.
See G. Z. Forristall, Preprint No.80-536, Oct 80, 18pp.

Reece, C. Scott
Aerobic Digestion of Waste Activated Sludge, with Ralph E. Roper, Jr. and C. P. Leslie Grady, Jr., EE2:Apr 79:261:14522

TR:145:283

Reed, Cordell
Employment Practices from a Minority's Perspective, EI3:July 79:159:14718
TR:145:323

Reed, Marshall F., Jr.
Dsc, CE:Apr 80:22, on Top Highway Problems : Finance and Maintenance, CE:Nov 79:59

Reed, Sherwood C.
Dsc, EE2:Apr 79:434:14468, of "Health Aspects of Water Reuse in California", EE4:Aug 78:601:13928
See R. S. Sletten, EE80:July 80:339

Reedy, William W.
Water for the Valley of the Sun, WR2:July 80:477:15544

Reel, J. Steve
Nutrient Reduction Alternatives, Lake Okeechobee, Florida, Preprint No.80-580, Oct 80, 14pp.

Rees, Morgan R.
A Practical Intergovernmental Coordination Program, CZ80:Nov 80:1984

Reese, Lymon C.
See J. Steven Farr, ST6:June 80:1329:15503

Reese, Robert T.
See Celal N. Kostem, EM81:Jan 81:61

Reginato, R. J.
See R. D. Jackson, IRKA:July 80:390

Rehak, Daniel R.
Translating Problem-Oriented Languages, with Leonard A. Lopez, TC1:Apr 79:33:14504
TR:145:210

Rehfield, John C.
Engineering Editor Rehfield Dies, CE:Nov 80:71

Reichard, Ronnal
See M. Robinson Swift, HY7:July 79:785:14682

Reif, Jonathan S.
See Robert M. Koerner, GT11:Nov 79:1301:14989

Reilich, Harry D.
Golden Gate Bridge — Deck Investigation, with Frank L. Stahl, Preprint No.80-051, Apr 80, 22pp.

Reimold, Robert J.
Effectiveness of Assessments of Coastal Management, CZ80:Nov 80:444

Reinhard, Martin
Trace Organics Removal by Advanced Waste Treatment, with Carla J. Dolce, Perry L. McCarty and Dave G. Argo, EE4:Aug 79:675:14760
TR:145:429

Reinhardt, Hans W.
Shear Transfer in Reinforced Concrete with Small Crack Widths, with Joost C. Walraven, Preprint No.80-012, Apr 80, 20pp.

Reinhold, Timothy A.
Wind Damage In Hurricane Frederic, with Kishor C. Mehta, EM81:Jan 81:532
See James R. Shaver, CP80:June 80:161
See Bruce R. Ellingwood, TN: ST12:Dec 80:2560:15874

Reis, Antonio J.
Post-Buckling Behavior under Mode Interaction, with John Roorda, EM4:Aug 79:609:14744
TR:145:353

Reitman, M. I.
Dsc, EM6:Dec 79:1073:15007, of "Optimum Expenditures in Seismic Design", EM1:Feb 79:177:14396

Reitz, H.
See D. R. Snethen, SLS:June 80:717

Reitz, Henry M.
Dsc, GT9:Sept 78:1221:13978, of "SPT and Relative Density in Coarse Sands", GT11:Nov 77:1295:13350

Relyea, Robert
Regulation of Water Resources Planning, with Yoram Gordon, Preprint No.80-676, Oct 80, 6pp.

Remson, Irwin
See Eduardo Aguado, WR2:July 80:375:15521

Renard, Kenneth G.
Estimating Erosion and Sediment Yield from Rangeland, IRKB:July 80:164

Rendon-Herrero, Oswald
Universal Compression Index Equation, GT11:Nov 80:1179:15829
Dsc, EI3:July 80:321:15510, of "Parity for Minorities in Engineering: Myth or Reality", EI2:Apr 79:65:14485

Rentschler, Glenn P.
Tests of Beam-to-Column Web Connection Details, with Wai F. Chen and George C. Driscoll, Preprint No.80-179, Apr 80, 20pp.
Tests of Beam-to-Column Web Moment Connections, with Wai F. Chen and George C. Driscoll, ST5:May 80:1005:15386
TR:145:638

Replogle, John A.
Modified Broad-Crested Weirs for Lined Canals, with Albert J. Clemmens, IRKA:July 80:463
See H. Riekerk, IRKB:July 80:706

Ressi di Cervia, Arturo L.
See Frank B. Couch, Jr., CE:Jan 79:62
See F. B. Couch, Jr., CE:Oct 80:154

Retelas, Jim
See Gary L. Boyle, IRKB:July 80:260

Reul, Helmut
See Dhanjoo N. Ghista, EM1:Feb 78:97:13521

ReVelle, Charles
See David Engberg, CZ80:Nov 80:684

Reynolds, Carroll E.
See Robert C. Balling, Jr., EE5:Oct 80:901:15743

Reynolds, Gardner M.
Legal and Insurance Trends in Engineering, EI1:Jan 80:3:15154
TR:145:483

Reynolds, Richard T.
Miami Limestone Foundation Design and Construction, with Thomas J. Kaderabek, Preprint No.80-546, Oct 80, 17pp.

Rezende, Carlos
See Richard W. Furlong, ST11:Nov 79:2203:14979

Rhee, Sang-Myon
U.S.-Canadian Agreement on East Coast Fisheries, CZ80:Nov 80:345

Rhoades, James D.
Irrigation of Cotton with Saline Drainage Water, with Stephen L. Rawlins and C. J. Phene, Preprint No.80-119, Apr 80, 20pp.
See Stephen L. Rawlins, IRKA:July 80:197

Rhoads, Peter B.
See Stanley W. Hole, Preprint No.80-569, Oct 80, 9pp.

Rhodes, James A.
See Robert C. Dolecki, EE80:July 80:249

Rhomberg, Edward J.
Public Engineers: Accountability Without Liability, with Gary W. Hein, EI4:Oct 80:345:15727

Ribakoff, Solomon
Construction Contract Arrangements, CRLS:Jan 79:I-83
Dsc, CO2:June 80:228:15440, of "Report on Improving Construction Arbitrations", CO1:Mar 79:1:14414

Rice, Robert C.
Underground Travel of Renovated Wastewater, with Peter Raats, EE6:Dec 80:1079:15912

Richard, Ralph M.
See Richard G. Troy, CE:Feb 79:53

Richards, Donald P.
Dsc, SLS:June 80:749, of "Construction on Expansive Rock", SLS:June 80:496

Richards, James W.
See Bruce M. Camlin, TE1:Jan 79:31:14292

Richards, Paul
Dsc, CE:Feb 80:26, on Do Federal Grants Distort a City's Capital Investment Priorities?, CE:Oct 79:79

Richards, Rowland, Jr.
Harmonic Shape and Optimum Design, with Gordon S. Bjorkman, Jr., EM6:Dec 80:1125:15889
Seismic Behavior of Gravity Retaining Walls, with David G. Elms, GT4:Apr 79:449:14496
Dsc: Richard J. Fragaszy and G. Wayne Clough, GT6:June 80:734:15443; Jean Kerisel, GT6:June 80:736:15443
Clo: GT6:June 80:737:15443
TR:145:341
U.S. Bridges and the Bias Toward Mediocrity, Preprint No.80-100, Apr 80, 17pp.

Richardson, A. E.
See E. Charles Palmer, ASDC:80:11

Richardson, A. S., Jr.
Dsc, ST6:June 78:1038:13789, of "Free Vibrations of Taut and Slack Marine Cables", ST11:Nov 77:2079:13321

Richardson, Archie M.
Landslide in Claystone Derived Soil, GT7:July 79:857:14683
TR:145:434

Richardson, Bland Z.
See Eugene E. Farmer, IRKB:July 80:888

Richardson, Everett V.
See Yung Hai Chen, HY12:Dec 78:1605:14250

Richardson, J. D.
See David F. Rogers, CP80:June 80:436

Richart, Frank E., Jr.
Award for 1980 to be given this Month: Terzaghi Award, CE:Oct 80:152
Dsc, GT11:Nov 80:1280:15783, of "Nonlinear Soil Models for Irregular Cyclic Loadings", GT6:June 79:715:14642
See N. Foster Allen, GT3:Mar 80:235:15286

Richert, Robert C.
See Richard T. Gallus, EY1:Jan 79:1:14295

Richey, Eugene P.
See Ronald E. Nece, Preprint No.80-039, Apr 80, 21pp.
See Rick D. Cardwell, CZ80:Nov 80:84

Richter, Philip J.
Traveling Wave Analysis Of A Large Foundation, with Elwood A. Smietana, EM81:Jan 81:401

Ricles, J. M.
See Joseph A. Yura, Preprint No.80-179, Apr 80, 21pp.

Rida, M. A.M.
See John W. Dougill, EM5:Oct 80:1021:15764

Ridgway, James W.
See Peter G. Collins, EE1:Feb 80:153:15199

Ridley, Albert P.
See Donald D. Treadwell, PO80:May 80:801

Ridlon, Steve
Dsc, CE:Nov 80:30, on Computerizing Public Works Design, CE:May 80:76

Riek, Justus R.
Maritime Risk and Coastal Zone Management, CZ80:Nov 80:575

Riekerk, H.
Effect of Forestry Practices in Florida Watersheds, with B. F. Swindel and John A. Replogle, IRKB:July 80:706

Riggins, Robert E.
Quantified Water Related Impact Analysis, with John T. Bandy, Preprint No.80-579, Oct 80, 4pp.

Riggs, Henry C.
Characteristics of Low Flows, HY5:May 80:717:15400
TR:145:c70
Dsc, HY4:Apr 80:625:15301, of "Flow Resistance in Cobble and Boulder Riverbeds", HY5:May 79:477:14576

Riggs, Leland S.
Simulation of Construction Operations, TC1:Aug 80:145:15628

Riggs, Louis W.
Contractual Arrangements for Construction, CRLS:Jan 79:I-101

Rijub-Agha, Khazal Y.
See David W. Murray, EM6:Dec 79:989:15046

Riley, J. Paul
Irrigation Management for River-Salinity Control, with Jerome J. Jurinak, IR4:Dec 79:419:15023
Dsc: Ralph L. Chantrill, IR4:Dec 80:377:15867
TR:145:544
See Rollin H. Hotchkiss, IRKA:July 80:1

Rimkus, Raymond R.
Digester Gas Utilization Programs, with John M. Ryan and Alfred J. Michuda, EE6:Dec 80:1071: 15902

Rinaldi, Sergio
Parameter Estimation of Streeter-Phelps Models, with Paolo Romano and Rodolfo Soncini-Sessa, EE1:Feb 79:75:14377
TR:145:229

Rinaldo, John
The Concrete Canoe: A Technological Challenge, with David B. Clayman, CE:Mar 80:74
Dsc: William P. Chamberlain, CE:Nov 80:30
Clo: John M. Rinaldo, CE:Dec 80:28
TR:145:631

Rinne, Edward E.
Pile Foundations for One Market Plaza, with Michael W. Stobbe, GTDF:80:343

Ripp, John A.
See Pamela B. Katz, EE80:July 80:372

Rish, Raphael F.
Rate of Change Methods in Astronomical Surveying, SU1:Nov 80:137:15837

Ritschard, Ronald L.
Marine Kelp: Energy Resource in Coastal Zone, with Kendall F. Haven, CZ80:Nov 80:967

Rizk, Abdul Wahab Ahmed
Dsc, CO4:Dec 79:403:15005, of "Turnover, New Workers, and Safety", CO4:Dec 78:409:14209
Dsc, CO4:Dec 79:404:15005, of "Management Impacts on Labor Productivity", CO4:Dec 78:447: 14235
Dsc, EI3:July 80:324:15510, of "Construction Productivity Factors", EI4:Oct 79:189:14879

Rizzo, Santi
See Paul P. Fazio, ST6:June 79:1187:14649

Roark, John J.
Including Air Quality in Transportation Decisions, CAAA:Nov 79:37

Robb, James G.
See David G. Carvey, IRKB:July 80:1036

Robbins, D. B.
Urban Riverfront Expansion, with J. M. Armstrong, C. L. Kureth, Jr., D. V. Pratt and T. V. Dobson, CZ80:Nov 80:236

Robbins, Eugene W.
How Texas got a New Highway Plan and More Construction Dollars, CE:Nov 80:59

Roberson, John A.
Baker Bay Circulation by Mathematical Modeling, with Howard D. Copp and Bijayananda Naik, Preprint No.80-068, Apr 80, 15pp.
See Sushil Kumar, HY11:Nov 80:1745:15806

Roberts, Benjamin R.
Impact of Vertical Scale Distortion on Turbulent Mixing in Physical Models, with Robert L. Street, HYCO:Aug 80:261

Roberts, Edwin B.
See Robert M. Hagan, WR1:Mar 80:289:15271

Roberts, Philip J.W.
Line Plume and Ocean Outfall Dispersion, HY4:Apr 79:313:14488
Dsc: Gerhard H. Jirka, HY12:Dec 79:1573:15009
Clo: HY8:Aug 80:1409:15585
TR:145:253
Ocean Outfall Dilution: Effects of Currents, HY5: May 80:769:15429
TR:145:693

Roberts, Phillip J.W.
See F. B. Couch, Jr., CE:Oct 80:154

Roberts, Richard
Basics in Failure Analysis of Large Structures, with Alan W. Pense, CE:May 80:64
TR:145:690
Part Two: Basics in Failure Analysis of Large Structures, with Alan W. Pense, CE:July 80:60
Dsc: John B. Letherbury, CE:Nov 80:26
See John W. Fisher, ST7:July 77:1339:13059

Robertson, George W.
Marine Ecosystem Management, CZ80:Nov 80:72

Robertson, Iain M.
Development of a North Sea Oil Terminal, CZ80: Nov 80:2066
Visual Impacts of Port Development in Seattle, with William G.E. Blair, CZ80:Nov 80:917

Robertson, Kenneth D.
Monitoring Large Structures by Precise Survey, ASDC:80:277

Robertson, Leon S.
See Paul H. Wright, TE6:Nov 79:609:14974

Robertson, R. Angus
Dsc, ST9:Sept 80:1981:15665, of "Racking Strength of Light-Frame Nailed Walls", ST7:July 78:1131: 13876

Robinson, August R.
Dsc, HY10:Oct 79:1341:14868, of "Equipment for Investigations of Fluvial Sediment", HY3:Mar 79: 163:14407

Robinson, Ian S.
Tidal Power from Rectangular Estuaries: Tidal Dynamics Constraints, with John M. Perry, HY11: Nov 80:1915:15858

Robison, Clarence W.
Sediment Removal With Vegetal Filters, with Charles E. Brockway, IRKA:July 80:422

Robnett, Quentin L.
See Marshall R. Thompson, TE1:Jan 79:71:14293

Rocklin, Robin C.
Water Conveyance Pipelines in Expansive Soil, SLS: June 80:477

Rockwell, Donald
Unsteady Features of Flow Past a Cavity, with Charles Knisely, HY8:Aug 79:969:14773
TR:145:401

Rodenberger, C. A.
Dsc, EI4:Oct 80:428:15718, of "Master's Degree - A Mixed Bag", EI4:Oct 79:227:14921

Roderique, Dawn D.
Siting of Hazardous Waste Management Facilities, with Timothy D. Van Epp, EE80:July 80:320

Rodger, James G.
See Nicholas V.M. Odd, HY3:Mar 78:337:13599

Rodi, Wolfgang
See Michael A. Leschziner, HY10:Oct 79:1297:14927

Rodriguez, Jorge
See Douglas Yoder, Preprint No.80-577, Oct 80, 14pp.

Rodriguez del C., Juan I.
See J. Robin F. Arthur, GT4:Apr 80:419:15375

Roeder, Charles W.
Eccentrically Braced Steel Frames for Earthquakes, with Egor P. Popov, ST3:Mar 78:391:13619
Dsc: David Allen, ST2:Feb 79:462:14356; Ashok K. Jain, Subhash C. Goel and Robert D. Hanson, ST3:Mar 79:687:14404
Clo: ST11:Nov 79:2471:14936
TR:145:41

Roehl, Joseph
Microprocessor Traffic Controllers, CP80:June 80:548

Roenker, Gerald
See Gary D. Bates, Preprint No.80-533, Oct 80, 10pp.

Roeseler, W. G.
South Padre Island Coastal Zone Management Study, CZ80:Nov 80:1645

Roesler, Stephan K.
Anisotropic Shear Modulus due to Stress Anisotropy, GT7:July 79:871:14692
Dsc: Bobby O. Hardin, GT8:Aug 80:956:15584; John H. Schmertmann and Richard D. Woods, GT8:Aug 80:958:15584
Clo: GT8:Aug 80:961:15584
TR:145:446

Roesset, Jose M.
Stiffness and Damping Coefficients of Foundations, GTA80:Oct 80:1
See George C. Gazetas, GT12:Dec 79:1435:15050

Rogers, David F.
Interactive Graphics and the Uniform Bean in Engineering Education, with David Chalmers and J. D. Richardson, CP80:June 80:436

Rogers, Frederick H., Sr.
Engineering Registration Trends, EI4:Oct 80:397:15777
Trends in Engineering Registration, Preprint No.80-045, Apr 80, 12pp.

Rogers, Jerry R.
Sanitary Landfill Site Selection by Remote Sensing, with William J. Graff, Larry J. Stone, C. H. Tsen and S. S. Yang, ASDC:80:92
See L. Douglas James, WR1:Mar 79:47:14427

Rogers, Paul
Memoir of, TR:145:758

Rogers, Peter R.
See Michael H. Shapiro, UP2:Nov 79:151:14949

Rogers, Richard
See Richard H. Schmitz, PO80:May 80:148

Rogowski, A. S.
Hydrologic Parameter Distribution on a Mine Spoil, IRKB:July 80:764

Rogozen, Michael B.
See Lawrence W. Margler, TE3:May 80:257:15408

Rohani, Behzad
See George Y. Baladi, GT4:Apr 79:465:14510
See John G. Jackson, Jr., GT8:Aug 80:839:15640

Rohde, Fritz G.
Dsc, with Ernst Ch. Zoller, WR1:Nov 78:287:14121, of "Pumped Storage Optimization in Generation Systems", WR1:May 77:99:12946

Rohini Kumar, Damal V.
See Srinivasan Thiruvengadachari, SU1:Nov 80:35:15843

Rohlf, Richard A.
Dynamic Mathematical Modeling of Rill Erosion, with Michael E. Meadows, IRKB:July 80:13

Roine, Sigmund
See Ken P. Chong, GT5:May 79:595:14567

Rom, Josef
See Israel Alterman, GT12:Dec 78:1536:14194

Romano, Paolo
See Sergio Rinaldi, EE1:Feb 79:75:14377

Ronca, Paola
Limit Analysis of Reinforced Concrete Arch Bridges, with M. Z. Cohn, ST2:Feb 79:313:14337
TR:145:172

Rondal, Jacques
Dsc, with Rene Maquoi, ST12:Dec 78:1935:14197, of "Prestressed Concrete Design by Linear Programming", ST3:Mar 78:439:13612

Roof, Edward F.
See Don Slobodnik, TE6:Nov 80:829:15850

Rooney, Thomas C.
Oxygen Transfer Standard—Basin Geometry and Mixing (Abstract), with Ronald N. Salzman, EE80:July 80:94

Roorda, John
See Antonio J. Reis, EM4:Aug 79:609:14744

Roos, Amos
Dsc, CE:June 80:44, on Energy Conservation: Long-Overlooked Cheap Source of Energy, CE:Dec 79:77

Roos, Curtis J.
Behavior of Driven Piles on Soft Limestone, with E. W. Lingo, GTDF:80:365

Roos, Maurice
Dsc, IR1:Mar 80:73:15226, of "Standards for Irrigation Efficiencies of ICID", IR1:Mar 79:37:14457

Roper, Ralph E., Jr.
Design Effluent Quality, with Roger O. Dickey, Stephen Marman, Steve W. Kim and Robert W. Yandt, EE2:Apr 79:309:14518
TR:145:265
See C. Scott Reece, EE2:Apr 79:261:14522

Rosanski, Kenneth F.
Predicting Industrial Waste Impact on Ground Water, with Ian Watson, Gregory R. Fischer and Daniel B. Kleiman, Preprint No.80-535, Oct 80, 14pp.

Rosas e Silva, Raul
Dsc, with William Weaver, Jr., EM6:Dec 80:1445:15865, of "Matrix Formulation of Curved Girders", EM6:Dec 79:971:15078

Rose, Adam Zachary
Utility Lifelines and Economic Activity in the Context of Earthquakes, C080:80:107

Rose, Don
Risk of Catastrophic Failure of Major Dams, TN: HY9:Sept 78:1349:13984
Dsc: Bob Buehler, TN: HY4:Apr 79:440:14472; Anand Prakash, TN: HY6:June 79:761:14600; John J. Cassidy, TN: HY10:Oct 79:1319:14868
Clo: TN: HY9:Sept 80:15663

Rosenberg, Myron S.
Predicting Eutrophication Impacts of Development, with Robert A. Kimball and Robert P. Shubinski, IRKB:July 80:517

Rosenblueth, Emilio
Optimum Design to Resist Earthquakes, EM1:Feb 79:159:14395
TR:145:204
Optimum Expenditures in Seismic Design, EM1:Feb 79:177:14396
Dsc: M. I. Reitman, EM6:Dec 79:1073:15007
Clo: EM4:Aug 80:853:15583
TR:145:212

Rosenbrand, Wim F.
See Knut H. Andersen, GT5:May 80:499:15434

Rosenfarb, Jack L.
See Robert M. Koerner, Preprint No.80-177, Apr 80, 22pp.

Rosenshine, Matthew
Dsc, CO4:Dec 76:694:12582, of "Bidding Models: Truths and Comments", CO1:Mar 76:169:11991

Rosenthal, Felix
Guyed Towers Under Arbitrary Loads, with Richard A. Skop, ST3:Mar 80:679:15247
TR:145:608

Rosenthal, Kerry Michael
Computer Mapping in a Catchment Land Use Study, ASDC:80:224

Rosenzweig, Michael
See Albert Rango, HY1:Jan 79:53:14326

Rosman, Riko
Dsc, ST7:July 80:1664:15513, of "Dynamic Characteristics of Coupled Shear Walls", ST8:Aug 79:1637:14783

Ross, David A.
Fabricated Tubular Steel Columns, with Wai F. Chen and Lambert Tall, ST1:Jan 80:265:15122
TR:145:552

Ross, Edgar D.
See Richard A. Wadden, EE4:Aug 79:621:14733

Rossi, Pio
See Kurt Berlin Gerstle, EM6:Dec 80:1383:15945

Rossin, A. David
Long-Term Geologic Storage of Spent Fuel, ST7:July 80:1475:15538

Rossman, Lewis A.
Distributing Regional Services Costs, with Patricia Ann Graham, UP1:Jan 79:51:14284
Dsc: James P. Heaney and Robert Dickinson, UP1:Nov 80:105:15788
TR:145:450

Rossow, Mark P.
Dsc, with Phillip L. Gould, EM4:Aug 80:847:15583, of "Optimal Design of Aortic Leaflet Prosthesis", EM1:Feb 78:97:13521

Rotem-Borensztajn, Yael
Virus Concentration by Ultrafiltration, with Eliyahu Katzenelson and Georges Belfort, EE2:Apr 79:401:14536
TR:145:331

Roth, Frank A., II
See Mingteh Chang, IRKB:July 80:951

Roth, Gabriel
Urban Transport Issues: A World Bank Approach, MGC:July 80:184

Rothenberg, Morris J.
Preferential Treatment—What Lies Ahead, TE4:July 79:383:14705
TR:145:307

Rothman, Herbert
Dsc, ST1:Jan 78:246:13451, of "History and Esthetics in Suspension Bridges", ST8:Aug 77:1655:13143

Rouse, Hunter
First Four Decades of the Hydraulics Division, HY3: Mar 78:327:13633
Dsc: Frederic T. Mavis, HY1:Jan 79:118:14270
Clo: HY11:Nov 79:1452:14935
TR:145:53
Some Paradoxes in the History of Hydraulics, HY6: June 80:1077:15475
TR:145:710

Rouve, Gerhard
See K. Elango, HY10:Oct 80:1641:15734

Rowell, J. Harry
See Alberto F. Gutierrez, EE6:Dec 79:1149:15039

Rowings, James E.
See Donn E. Hancher, Preprint No.80-142, Apr 80, 22pp.

Rowland, Robert D.
Recommended Endorsement and Comments on NSPE/ACEC 1910-8 (1978) General Conditions, CO2:June 79:157:14641
TR:145:360

Roy, Marius
See Serge Leroueil, GT6:June 79:759:14657

Roychowdhury, S.
Modeling Effects of Environmental Stresses due to Industrial Wastes on Gas Production by Landfill Sediments, with L. Y. Young, D. Cox, J. Powers, J. Sharkey and M. Levandowsky, EE80:July 80:75

Royden, Halsey
Dsc, Improve Funding for High Risk Research, CE: Oct 80:30

Rozeboom, William A.
Use of a Scale Model to Improve Pond Circulation, HYCO:Aug 80:1

Rozvany, George I.N.
Arch Optimization Using Prager-Shield Criteria, with Wang Chien Ming and Murray Dow, EM6:Dec 80:1279:15914

Rubin, Carol
The AccEL Program: Retreading the B.S. Degree, EI4:Oct 80:339:15729

Rubin, Lawrence
Calculated Examples Of Long-Span Bridge RESPONSE TO WIND, with Robert H. Scanlan, EM81:Jan 81:307

Rubin, Robert A.
What to Do If You Think A Pile Claim Is Coming, CO4:Dec 78:503:14202
Dsc: Bruce C. Vandre, CO4:Dec 79:401:15005; J. Steven Farr, CO4:Dec 79:402:15005; Robert F. Borg, CO1:Mar 80:93:15223
TR:145:113

Rubin, Sheldon
Ambient Vibration Survey of Offshore Platform, EM3:June 80:425:15458
TR:145:661

Rubinstein, Arthur
See Martin T. Czerniak, PO80:May 80:440

Ruchelman, Leonard I.
Coordinating Tall Building Development, UP1:Nov 80:89:15857

Ruckman, A.
See D. R. Snethen, SLS:June 80:717

Rumer, Ralph R., Jr.
See Akio Wake, HY7:July 79:827:14694

Ruskin, Arnold M.
See W. Eugene Estes, Preprint No.80-615, Oct 80, 14pp.

Russell, Alan D.
Cost Optimization of Buildings, with Khalid T. Choudhary, ST1:Jan 80:283:15125
TR:145:558

Russell, Larry R.
See Martin E. Batts, ST10:Oct 80:2001:15744

Russell, Orville R.
Remote Sensing and Mine Subsidence, with Roger V. Amato and Thomas V. Leshendok, TE2:Mar 79:185:14467
TR:145:180
Remote Sensing for Tunnel Siting Studies, with Dennis T. Stanczuk and John R. Everett, TE5:Sept 80:523:15676

Russell, Samuel O.
Estimating Design Flows for Urban Drainage, with Bruce F.I. Kenning and Greg J. Sunnell, HY1:Jan 79:43:14317
Dsc: Bernard L. Golding, HY2:Feb 80:343:15161
Clo: HY9:Sept 80:1534:15663
TR:145:191

Rust, Edgar
Evaluation of Three Offshore LNG Terminal Designs for Southern California, PO80:May 80:352

Rusten, Arnfinn
Snow Load Analysis for Structures, with Ronald L. Sack and Myron Molnau, ST1:Jan 80:11:15102
TR:145:524

Rutenberg, Avigdor V.
Laterally Loaded Flexible Diaphragm Buildings, TN: ST9:Sept 80:1969:15667
Vibration Properties of Curved Thin-Walled Beams, ST7:July 79:1445:14687
TR:145:354

Ruth, Byron E.
Sanitary Landfill Site Selection by Remote Sensing, with Janet D. Degner and Harold K. Brooks, TE6:Nov 80:661:15835
See Jay W. Casper, AS80:Aug 80:1

Rutherford, J. C.
Waikato River Pollutant Flushing Rates, with M. E.U. Taylor and J. D. Davies, EE6:Dec 80:1131:15939

Ruus, Eugen
Dsc, HY9:Sept 80:1525:15663, of "Design Charts for Air Chamber on Pump Pipe Lines", HY9:Sept 78:1289:14024

Ruzecki, Evon Paul
See Christopher S. Welch, PO80:May 80:614

Ryan, John M.
See Raymond R. Rimkus, EE6:Dec 80:1071:15902

Ryckborst, Hans
Streamflow Network in The Province of Alberta, 1980, IRKA:July 80:63

Ryden, Tom K.
An Analysis of Areawide TSM/Air Quality Actions, with Stephen M. Howe, CAAA:Nov 79:169

Ryland, V. Wallace
Minimizing Risks/Mitigating Losses, CRLS:Jan 79:1-145

Ryley, Walter E.
See Reginald E. Merrill, IR2:June 79:137:14605

Saad, Alice I.
See Sung C. Ling, EM6:Dec 80:1327:15923

Saada, Adel S.
Dsc, with Louise Palmer Shook and Gary F. Bianchini, GT10:Oct 79:1268:14867, of "Nonlinear Behavior of Soft Clays during Cyclic Loading", GT12:Dec 78:1427:14265

Saatci, Ahmet M.
Dsc, with Charles Oulman, EE2:Apr 80:463:15296, of "High-Rate Filtration in Polymer-Treated Sand Bed", EE2:Apr 79:231:14525

Sabnis, Gajanan M.
Size Effect in Model Concretes?, with Saeed M. Mirza, ST6:June 79:1007:14618
TR:145:283

Sabol, George V.
Dispersion in Rivers as Related to Storage Zones, with Carl F. Nordin, Jr., HY5:May 78:695:13758
Dsc: Edmund A. Prych, HY3:Mar 79:288:14402; Edward R. Holley and Yuh Hua Tsai, HY7:July 80:1249:15512
TR:144:342

Sabry, Mohamed M. Aly
Engineering Properties of Soil-Lime Mixes, with James V. Parcher, TE1:Jan 79:59:14278
Errata: TE1:Jan 80:131:15099
TR:145:51

Sachdev, Dev R.
See Joseph A. Cermola, EE6:Dec 79:1035:15042

Sack, Ronald L.
See Arnfinn Rusten, ST1:Jan 80:11:15102

Sackman, Jerome L.
Dynamic Analysis of Equipment-Structure Systems, with Armen Der Kiureghian, EM81:Jan 81:731
Transient Analysis of Light Equipment in Structures, with J. M. Kelly, EM81:Jan 81:723

Sacre, Christian
See Jacques Bietry, ST10:Oct 78:1585:14099

Saether, Kolbjorn
Reliability of Computer-Aided Design, with Harold R. Sandberg and Charles F. Beck, TC2:Dec 79:371:15069
TR:145:469

Sae-Ung, S.
See Jann-Nan Yang, EM4:Aug 80:801:15642

Safaie, Bijan
Mixing of Buoyant Surface Jet over Sloping Bottom, WW4:Nov 79:357:14954
Dsc: E. Eric Adams, WW4:Nov 80:502:15789
TR:145:526

Saffir, Herbert S.
The Fort Lauderdale Tornado of May 24th, 1979, Preprint No.80-524, Oct 80, 10pp.

Safford, Frederick B.
Development And Use Of Force Pulse Train Generators, with Sami F. Masri, EM81:Jan 81:72
See Sami F. Masri, EM81:Jan 81:87

Safiullah, Abul M.M.
See David G. McKinlay, GT10:Oct 80:1165:15720

Sagar, Budhi
Aquifer Diffusivity from Noisy Boundary Data, with Sita Ram Singh, HY8:Aug 79:943:14765
TR:145:393
Stochastic Model of Water Table under Drainage, with Christian Preller, IR3:Sept 80:189:15673

Sahin, M. A.
See Conrad P. Heins, ST12:Dec 79:2591:15064

Sahni, Brij M.
Storage Coefficients from Ground-Water Maps, with Harbhajan S. Seth, IR2:June 79:205:14658
Dsc: C. R.C. Jones, IR1:Mar 80:74:15226; Mostafa M. Soliman, IR2:June 80:161:15445
TR:145:395

Saiidi, Mehdi
Seismic Study Of Imperial County Services Building, EM81:Jan 81:431

Saka, M. P.
Shape Optimization of Trusses, ST5:May 80:1155:15437
TR:145:666

Sala, Riccardo
Numerical Analysis of Wide-Angled Diffusers in Turbulent Flow, with Pier Luigi Vivarelli and Gianni Garuti, HY5:May 80:629:15402
TR:145:675

Salam, Sk. Abdus
Prestressed Concrete Beams with Transverse Circular Holes, with Jack Harrop, ST3:Mar 79:635:14465
TR:145:234

Salama, Moktar
See Senol Utku, Preprint No.80-061, Apr 80, 21pp.

Salas, Jose D.
Computer Analysis of Hydrologic Time Series, with Ricardo A. Smith, CP80:June 80:305
Statistical Programs in Engineering Hydrology, with Ricardo A. Smith, CP80:June 80:315
Uncertainties in Hydrologic Time Series Analysis, with Ricardo A. Smith, Preprint No.80-158, Apr 80, 22pp.

Salcedo, Luis M.
See Jose I. Novoa, HY6:June 80:1139:15444

Sale, Leonard M.
Dsc, CE:Feb 80:30, on Education in Civil Engineering: Boost Professional Orientation?, CE:Aug 79:64

Saleeb, A. F.
Constitutive Models for Engineering Materials, with Wai F. Chen, Preprint No.80-605, Oct 80, 14pp.

Salem, Mohammed
See Fazlur R. Khan, CE:Dec 80:68

Salih, Abdin M.A.
Entrained Air in Linearly Accelerated Water Flow that, HY10:Oct 80:1595:15728

Salmon, James R.
Integral Equation Method for linear Water Waves, with Philip La-Fan Liu and James A. Liggett, HY12:Dec 80:1995:15932

Salomone, Lawrence A.
The Effect of Organization Culture on Managers, Preprint No.80-503, Oct 80, 13pp.

Salomone, William G.
Fabric Reinforcement Designed Against Pullout, with E. Boutrup, Robert D. Holtz, William D. Kovacs and Charles D. Sutton, Preprint No.80-177, Apr 80, 14pp.

Salomonson, Vincent V.
Applicability of Space Acquired Data for Water Resources Management, with V. Ralph Algazi and Donald R. Wiesnet, EFHYF:Mar 79:125

Salter, Stephen H.
See A. Graham Dixon, WW4:Nov 79:421:14996

Salzman, Gary S.
See Eugene A. Miller, CE:Aug 80:51

Salzman, Ronald N.
See Thomas C. Rooney, EE80:July 80:94

Samad, Mohamed F.A.
See Timothy R.H. Davies, HY8:Aug 78:1171:13976

Samelson, Harold
Automated Suspension Bridge Analysis by Symmetry, with Harold T. Fink, CP80:June 80:484
Dsc, ST4:Apr 78:732:13648, of "History and Esthetics in Suspension Bridges", ST8:Aug 77:1655:13143

Samelson, Nancy Morse
Motivating Foremen on Large Construction Projects, with John D. Borcherding, CO1:Mar 80:29:15276
Dsc: William F. Maloney, CO4:Dec 80:620
TR:145:640
See John D. Borcherding, CO1:Mar 80:73:15272

Sanan, Bal K.
See Edward A. Nowatzki, Preprint No.80-177, Apr 80, 24pp.

Sand, S. E.
See J. Kirkegaard, PO80:May 80:597

Sandberg, Harold R.
See Kolbjorn Saether, TC2:Dec 79:371:15069

Sanders, Paul H.
See R. Richard Avent, ST1:Jan 80:87:15126

Sanders, Richard L.
See Richard E. Ackley, GTDF:80:1

Sanders, Thomas G.
Water Quality as a Stochastic Process, Preprint No.80-089, Apr 80, 14pp.

Sandhu, Ranbir S.
Dsc, EM2:Apr 79:355:14470, of "Finite Element Schemes for Porous Elastic Media", EM3:June 78:605:13851

Sanejouand, Renaud
Dsc, with Alain Quibel, GT11:Nov 80:1290:15783, of "Dynamics of Vibratory-Roller Compaction", GT10:Oct 79:1211:14907

Sangakkara, S. M.S. Ranjith
See Roger J. Plank, ST10:Oct 79:2138:14869

Sankaran, K. S.
Torsional Vibration Tests on Embedded Footings, with N. R. Krishnaswamy and P. G. Bhaskaran Nair, TN: GT3:Mar 80:325:15262

Santhanam, T. K.
Model for Mild Steel in Inelastic Frame Analysis, ST1:Jan 79:199:14333
Dsc: Ashok K. Jain, ST11:Nov 79:2480:14936; Clifford O. Hays, Jr., ST11:Nov 79:2482:14936
TR:145:168
See Clifford O. Hays, Jr., ST7:July 79:1241:14668

Santini, Danilo J.
Indirect Benefits of Cogeneration District Heating, with Elliot P. Levine, Preprint No.80-672, Oct 80, 16pp.

Sargious, Michel A.
Box Girder Bridge Diaphragms with Openings, with Walter H. Dilger and Hugh Hawk, ST1:Jan 79:53:14314
TR:145:150

Sarisley, Edward F.
See John T. DeWolf, ST11:Nov 80:2167:15823

Sarma, Kandula V.N.
See Iyyanki V. Muralikrishna, HY5:May 79:14586

Sarma, Sarada K.
Stability Analysis of Embankments and Slopes, GT12:Dec 79:1511:15068
TR:145:625

Sasaki, Tamio O.
See Nicholas C. Kraus, WW3:Aug 79:337:14725

Sassi, Hassan
See Sami F. Masri, EM81:Jan 81:794

Sastry, Majety V.
See Alfred G. Bishara, ST1:Jan 79:147:14325

Satyanarayana, B.
Bearing Capacity of Footings on Layered C-Φ Soils, with R. K. Garg, TN: GT7:July 80:819:15578

Sauer, T. C., Jr.
See R. C. Ayers, Jr., CZ80:Nov 80:1730

Saul, J. Muriel
Dsc, ST10:Oct 80:2136:15722, of "Current Structural Engineering Reference Sources", ST2:Feb 80:519:15211

Saul, William E.
Pile Foundation Analysis, Preprint No.80-102, Apr 80, 20pp.

Saunders, Barry C.
See Daniel F. Lawrence, Preprint No.80-139, Apr 80, 10pp.

Saunders, David
See Philip H. Byer, TE1:Jan 79:91:14307

Saunier, Bernard M.
See Robert E. Selleck, EE6:Dec 78:1197:14247

Sauter, Laurence J., Jr.
A Streamlined Approach to Biological Nitrogen Removal, with James E. Alleman, EE80:July 80:296

Savy, Jean B.
Nonstationary Risk Model with Geophysical Input, with Haresh C. Shah and David Boore, ST1:Jan 80:145:15115
TR:145:547

Sawyer, Marc H.
World's First Iron Bridge, CE:Dec 79:46
Dsc: W. M. Dobbin, CE:June 80:44
TR:145:504

Saxena, Narendra K.
Three-Dimensional Densification for Local Control, with Alan P. Vonderohe, SU1:Nov 78:63:14129
Errata: SU1:Nov 79:117:14937
TR:145:91

Saxena, Surendra K.
See Prem S. Chopra, EY2:Aug 79:213:14745
See Satya Narayan Varadhi, GT10:Oct 80:1121:15763

Saxton, Gary B.
Prediction of Septic-System Failures, with Joseph M. Zeneski, EE3:June 79:503:14609
Dsc: David A. Bella, EE3:June 80:672:15441
Clo: EE6:Dec 80:1206:15864
TR:145:354

Saxton, Keith E.
See David H. Fortier, IRKB:July 80:790

Sayre, William W.
See A. David Parr, HY11:Nov 79:1357:14991
See A. David Parr, EE6:Dec 79:1075:15048

Scalise, D. Theodore
See Mohammad Aslam, EM3:June 79:371:14643
See Mohammad Aslam, ST2:Feb 80:377:15182

Scanlan, Andrew
Dsc, with David W. Murray, ST1:Jan 80:359:15098, of "Tension Stiffening in Reinforced Concrete Slabs", ST12:Dec 78:1885:14211

Scanlan, Robert H.
Dsc, EM3:June 79:496:14598, of "Ambient Vibration Tests of Suspension Bridge", EM5:Oct 78:983:14065
See Norman J. Sollenberger, ST3:Mar 80:601:15281
See Lawrence Rubin, EM81:Jan 81:307

Scardina, J. T.
Computer Graphics as a Teaching Aid, with V. Nopratvarakorn and George R. Buchanan, CP80: June 80:430

Scarino, John H.
Dsc, TE1:Jan 80:131:15099, of "Nonsymmetrical Loadings on Pipe", TE3:May 79:307:14584

Scarpa, Amerigo
See Marvin Gates, CO2:June 78:219:13842
See Marvin Gates, CO3:Sept 78:367:13977
See Marvin Gates, CO2:June 80:207:15507

Scarpace, Frank L.
The Operational Use of Landsat for Lake Quality Assessment, with Lawrence T. Fisher, AS80:Aug 80:88

Schaake,, John C., Jr.
See Guillermo J. Vicens, WR1:Mar 80:333:15280
See William M. Alley, HY5:May 80:679:15392

Schad, Theodore M.
Water Resources Planning — Historical Development, WR1:Mar 79:9:14410
Dsc: Ellis L. Armstrong, WR1:Mar 80:367:15228; Abinash C. Chaturvedi, WR1:Mar 80:368:15228
TR:145:100

Schaff, Russell M.
See Foppe B. DeWalle, EE3:June 80:631:15496

Schaffranek, Raymond W.
A One-Dimensional Flow Model of the Potomac River, with Robert A. Baltzer, HYCO:Aug 80:292
See Chintu Lai, HYCO:Aug 80:177

Schall, James D.
See Ruh-Ming Li, HY4:Apr 80:575:15347

Schamber, David R.
Constant and Variable Eddy Viscosity Flow Simulations in Settling Tanks, with Bruce E. Larock, HYCO:Aug 80:345

Schardt, Lonnie D.
Groundwater Recharge: Economic Benefit Quantified, IRKB:July 80:129

Schatzmann, Michael
Design Criteria for Cooling-Water Outlet Structures, with Eduard Naudascher, HY3:Mar 80:397:15239
TR:145:599
Dsc, HY1:Jan 79:119:14270, of "Forced Plumes in a Stratified Reservoir", HY4:Apr 78:13658

Scheffler, Michael L.
See Armando Balloffet, CZ80:Nov 80:2256

Scheid, Janet
See Waldon R. Kerns, CZ80:Nov 80:19

Schelling, David R.
Overview of University Computing (Abstract), with W. Levine, CP80:June 80:418

Scherer, Charles R.
Load Management Economics with Pumped Storage, EY1:Apr 80:69:15314
TR:145:479

Scherer, Tom F.
See Hal D. Werner, Preprint No.80-118, Apr 80, 20pp.

Scherich, Erwin Thomas
Reducing Hazards Associated with Spillways for Dams, Preprint No.80-063, Apr 80, 19pp.

Scherz, James P.
See Roland H. Brownlee, AS80:Aug 80:60

Scheuerman, Phillip R.
Transport of Viruses through Organic Soils and Sediments, with Gabriel Bitton, Allen R. Overman and George E. Gifford, EE4:Aug 79:629:14756
Dsc: Richard Bixby, EE3:June 80:674:15441
TR:145:413

Schickert, Gerald
See Kurt Berlin Gerstle, EM6:Dec 80:1383:15945

Schiesl, J. W.
See Allen F. Flanders, ASDC:80:300

Schiff, Anshel J.
Fragility of Electrical Power Equipment, with Donald E. Newsom, TC2:Dec 79:451:15091
TR:145:578
Improved Power System Seismic Resistance, TC2: Dec 79:337:15079
TR:145:515
See James T. P. Yao, EM81:Jan 81:657

Schiffman, Robert L.
Finite and Infinitesimal Strain Consolidation, TN: GT2:Feb 80:203:15158
See Steven J. Fenves, TC1:Apr 79:57:14482

Schilfegaarde, Jan Van
Dsc, CE:Sept 79:34, on Nuclear Wastes: Safe Way to Dispose Them Underground Forever, CE:May 79: 72

Schilling, Charles G.
Fatigue of Steel Beams by Simulated Bridge Traffic, with Karl H. Klippstein, ST8:Aug 77:1561:13123
Dsc: Robert A.P. Sweeney, ST7:July 78:1172: 13857
Clo: ST1:Jan 79:260:14271
TR:145:12
New Method for Fatigue Design of Bridges, with Karl H. Klippstein, ST3:Mar 78:425:13618
Dsc: Robert A.P. Sweeney, ST4:Apr 79:807: 14473
Clo: ST11:Nov 79:2470:14936
TR:145:37

Schimming, Bruce B.
Introductory Comments Data Base Systems, CP80: June 80:635

Schimpeler, Charles C.
See Ronald L. Rardin, Preprint No.80-612, Oct 80, 14pp.

Schindler, Richard
Dsc, EJC Technology Transfer Proposal, CE:Mar 80: 30
Dsc, CE:Dec 80:28, on Value Engineering and Cement-Bentonite Cutoff Wall Save Dam Project for Arizona Indian Tribe, CE:Aug 80:51

Schivley, William W.
An Engineering Company's Role in the Environmental Aspects of Surface Mining, Preprint No.80-022, Apr 80, 6pp.

Schizas, L. S.
See Rangaswami Narayanan, HY4:Apr 80:589:15368
See Rangaswami Narayanan, HY7:July 80:1159: 15552

Schlick, Haim
Dsc, CO2:June 80:233:15440, of "Simulation of Construction Project Duration", CO2:June 79:117:14607
Dsc, CO2:June 80:234:15440, of "Complex Problems with Separate Contracts System", CO2:June 79:129:14614

Schluchter, Shing S.T.
Coastal Flooding of Tidal Estuaries, with M. Teubner, HYUS:June 80:275
See Frederick L.W. Tang, HYUS:June 80:215

Schmalz, Henry H.
Thermographic Applications for Plant and Building Engineers, AS80:Aug 80:131

Schmalz, Richard A., Jr.
Dependency of Astronomic Tide and Hurricane Surge, HYUS:June 80:7

Schmeltz, Edward J.
See Michael J. McCarthy, HYUS:June 80:83

Schmer, Fred A.
Aerial Infrared Sensing Systems and Techniques, with Darrell R. Hause, ASDC:80:244

Schmertmann, John H.
Energy Dynamics of SPT, with Alejandro Palacios, GT8:Aug 79:909:14769
TR:145:466
Slope Effect on House Shrink-Swell Movements, with David K. Crapps, GT12:Dec 80:1327:15943
Statics of SPT, GT5:May 79:655:14573
TR:145:394
Dsc, with Richard D. Woods, GT8:Aug 80:958:15584, of "Anisotropic Shear Modulus due to Stress Anisotropy", GT7:July 79:871:14692

Schmid, Karl F.
Principles of Public Involvement, UP1:May 78:1:13728
Dsc: Nancy J. Johnson, UP1:Jan 79:84:14273
Clo: UP2:Nov 79:174:14939
TR:145:208

Schmidt, Birger
Settlements of Immersed Tunnels, with Walter C. Grantz, GT9:Sept 79:1031:14811
TR:145:514

Schmidt, Larry J.
See Rhey M. Solomon, IRKB:July 80:1026

Schmidt, Lewis Adelbert, Jr.
Memoir of, TR:145:760

Schmidt, Lewis C.
Force Limiting Devices in Space Trusses, with Ariel Hanaor, ST5:May 79:939:14589
Dsc: Erling A. Smith, ST4:Apr 80:937:15302
Clo: ST10:Oct 80:2119:15722
TR:145:273
Space Truss Design in Inelastic Range, with Peter R. Morgan and John A. Clarkson, TN: ST12:Dec 78:1915:14201
Dsc: Erling A. Smith, TN: ST12:Dec 79:2782:15011
Clo: TN: ST7:July 80:1656:15513
See Ariel Hanaor, ST11:Nov 80:2313:15808

Schmidt-Gonner, Gunter
See Gerhard J. Mehlhorn, Preprint No.80-552, Oct 80, 16pp.

Schmit, Lucien A.
See C. Fleury, ST5:May 80:1117:15431

Schmitz, Richard H.
High Speed Rail to Barge Coal Transfer Terminal, with Andrew Benko and Richard Rogers, PO80:May 80:148

Schmitz, William J.
Dsc, CE:July 79:33, on Ontario Writes New Bridge Code, CE:Mar 79:56

Schnabel, Harry, Jr.
See James R. Shields, GT9:Sept 78:1183:14035

Schneider, Arland David
Dsc, IR4:Dec 78:460:14196, of "Possible Energy Savings in Irrigation", IR4:Dec 77:445:13416

Schneider, Robert M.
See Shih-lih Steve Fang, PO80:May 80:747

Schneider, Seymour
Computer Aided Design and the Corps of Engineers, CP80:June 80:627

Schneider, Stanley R.
See David F. McGinnis, Jr., WR1:Mar 80:1:15244

Schodek, Daniel L.
Dsc, ST1:Jan 80:365:15098, of "Mechanical-Structural Interface in Building Design", ST3:Mar 79:539:14447

Schoener, George
See Thomas P. Kozlowski, CAAA:Nov 79:306

Schoepfer, George
Dsc, ST2:Feb 78:378:13508, of "History and Esthetics in Suspension Bridges", ST8:Aug 77:1655:13143

Schofer, Joseph L.
See Abishai Polus, TE3:May 79:297:14559
See Steven E. Polzin, TE5:Sept 79:561:14862

Scholl, David G.
See Earl F. Aldon, IRKB:July 80:91

Scholl, Roger E.
See C. K. Chen, EM81:Jan 81:745

Scholten, Gerald C.
See Clifton W. Johnson, IRKB:July 80:998

Schonfeld, Paul M.
A Transportation System Optimization Model, CP80:June 80:530

Schrader, Ernest K.
Repair of Waterstop Failures, EY2:Oct 80:155:15741

Schramm, William E.
See Shea Penland, CZ80:Nov 80:1425

Schrauf, T.
See M. Board, Preprint No.80-167, Apr 80, 18pp.

Schrock, B. Jay
Installation of Fiberglass Pipe, TE6:Nov 78:835:14175
Dsc: H. V. Swanson, TE5:Sept 79:592:14796
Clo: TE3:May 80:367:15381
TR:145:40
Reinforced Thermosetting Resin Pipe, TE2:Mar 79:165:14450
Errata: TE3:May 80:368:15381
TR:145:162

Schroeder, Edward D.
Parameter Choice for Process Control, with Robert L. Irvine, EE2:Apr 79:217:14516
TR:145:261
See Wendell H. Hovey, EE5:Oct 79:819:14880
See Richard F. Barror, EE6:Dec 80:1209:15864

Schroeder, Warren L.
Cellular Bulkheads and Cofferdams, with James K. Maitland, GT7:July 79:823:14713
TR:145:461
See Marvin R. Pyles, EE3:June 79:571:14625
See James K. Maitland, GT7:July 79:805:14712

Schroepfer, Terry W.
See George E. Wilson, EE2:Apr 80:389:15358

Schulman, M. A.
See M. Gattass, EM81:Jan 81:502

Schulte, Dennis D.
See Mark A. Stevens, EE1:Feb 79:33:14340

Schultz, Alan H.
Water Resources Education Requirements of Engineering Firm, with Richard A. Westmore, WR2:Sept 79:377:14858
Dsc: Luke M. Snell, WR2:July 80:572:15515
TR:145:287

Schumacher, Robert
Co-ordinated Use of Facilities, UT79A:July 79:109
Dsc: Milton Pikarsky, UT79A:July 79:115; C. Michael Walton, UT79A:July 79:119

Schumm, Stanley A.
See Ze'ev B. Begin, WW3:Aug 80:369:15651

Schuppener, Bernd
See Manfred Kiekbusch, GT11:Nov 77:1267:13331

Schuster, James J.
See Marchiz Petreanu, TE5:Sept 79:535:14847

Schwartz, Charles W.
Numerical Analysis of Underground Structures, CP80:June 80:217
Dsc, GT11:Nov 80:1287:15783, of "Measured Performance of Newtown Creek Culvert", GT9: Sept 79:1067:14850
See Herbert H. Einstein, GT4:Apr 79:499:14541

Schwartz, Robert K.
See Richard D. Hobson, CZ80:Nov 80:850

Schwartz, Samuel I.
See Walter H. Kraft, Preprint No.80-156, Apr 80, 20pp.

Schwarz, Harry E.
Water Resources Planning — Its Recent Evolution, WR1:Mar 79:27:14409
TR:145:100

Scobee, J. D.
See J. W. Foss, C080:80:134

Scofield, Roderick A.
See David F. McGinnis, Jr., WR1:Mar 80:1:15244

Scordelis, Alexander C.
See Stefanus F. van Zyl, ST11:Nov 79:2399:14986
See Young-Jin Kang, ST2:Feb 80:445:15191

Scott, James C.
Soaked Strength of Laboratory Compacted Clay, with Adolph G. Altschaeffl and Charles William Lovell, GT11:Nov 79:1273:14987
TR:145:563

Scott, Lewis E.
Land Subsidence and Earth Fissuring in Central Arizona, Preprint No.80-140, Apr 80, 12pp.

Scott, Ralph G., Jr.
South Fork Trinity River Watershed Study, with Koll Y. Buer and Stephen M. James, IRKB:July 80:406

Scott, Ronald F.
Computer Modeling of Clay Structure and Mechanics, with Michael J.K. Craig, GT1:Jan 80: 17:15128
TR:145:636
See Joel N. Franklin, EM5:Oct 79:811:14926
See Ahmed M. Abdel-Ghaffar, GT12:Dec 79:1379: 15033
See Ahmed M. Abdel-Ghaffar, GT12:Dec 79:1405: 15034
See Donald P. Holloway, SU80:June 80:33

Scott, William S.
Road Salts Movement into Two Toronto Streams, EE3:June 80:547:15468
TR:145:721

Screwvala, Farrokh N.
Ballistic Pendulums and Dynamic Testing of Clays, with Raj P. Khera, GT8:Aug 79:927:14772
TR:145:472
Dsc, GT12:Dec 78:1545:14194, of "Foundation Response Caused by Disturbance of Clay", GT5: May 78:583:13765

Scribner, Charles F.
Strength Decay in R.C. Beams under Load Reversals, with James K. Wight, ST4:Apr 80:861:15360
TR:145:633

Scroggie, O. J.
See R. W.G. Evans, ASDC:80:140

Seaman, Robert B.
National Growth Trends, UP1:Nov 80:29:15824

Sears, James D.
Perceiving the Unseen Value of Coastal Wetlands, CZ80:Nov 80:484

Sears, Philip C.
See Theodore Civetta, Jr., CZ80:Nov 80:898

Sebastian, Scott Morse
See John D. Borcherding, CO1:Mar 80:73:15272

Secrist, Glen M.
See Clifton W. Johnson, IRKB:July 80:998

Secter, Jonathan P.
See W. Bruce Morgan, CZ80:Nov 80:715

Seed, H. Bolton
Soil Liquefaction and Cyclic Mobility Evaluation for Level Ground during Earthquakes, GT2:Feb 79: 201:14380
Dsc: Ricardo Dobry and Richard S. Ladd, GT6: June 80:720:15443
Clo: GT6:June 80:724:15443
TR:145:281
See Faiz I. Makdisi, GT7:July 78:849:13898
See Philippe P. Martin, GT6:June 79:739:14659
See Faiz I. Makdisi, GT12:Dec 79:1427:15055

Seeley, Gerald R.
Practitioners in an Academic Environment, EI3:July 80:205:15561

Seetharamulu, Kaveti
Tests on Microconcrete Continuous Folded Plates, with Sachchidanand N. Sinha, ST7:July 79:1457: 14696
TR:145:367

Segall, Burton A.
Electro-Osmosis Chemistry and Water Quality, with Charles E. O'Bannon and Judson A. Matthias, TN: GT10:Oct 80:1148:15724

Segedin, Cecil M.
See Ian C. Medland, ST7:July 79:1543:14698

Sekel, Deborah J.
See Richard G. Luthy, EE3:June 80:609:15459

Seleen, Arthur E.
Improving Productivity in Hot Weather at Remote Areas, EI3:July 80:249:15565

Selig, Ernest T.
Design and Construction of Long-Span Metal Culverts, with John F. Abel, Fred H. Kulhawy and William E. Falby, CE:Mar 79:68
TR:145:145
Measured Performance of Newtown Creek Culvert, with Charles W. Lockhart and Richard W. Lautensleger, GT9:Sept 79:1067:14850
Dsc: Charles W. Schwartz, GT11:Nov 80:1287: 15783
Clo: GT11:Nov 80:1288:15783
TR:145:521
See Tai-Sung Yoo, GT10:Oct 79:1211:14907
See Ching S. Chang, GT5:May 80:531:15438
See Ching S. Chang, GT11:Nov 80:1201:15819

Seling, Fred
See Enno Koehn, CO4:Dec 79:331:15092

Selinger, Shlomo
Construction Planning for Linear Projects, CO2:June 80:195:15504
TR:145:713

Selleck, Robert E.
Kinetics of Bacterial Deactivation with Chlorine, with Bernard M. Saunier and Harvey F. Collins, EE6: Dec 78:1197:14247
Dsc: Charles N. Haas, EE6:Dec 79:1198:15006
Clo: EE5:Oct 80:1000:15717
TR:145:168
See R. Rhodes Trussell, EE4:Aug 79:796:14720

Selna, Lawrence
Strong and Tough Concrete Columns for Seismic Forces, with Ignacio Martin, Robert Park and Loring Wyllie, ST8:Aug 80:1717:15596

Seltz-Petrash, Ann E.
Computer-Aided Design and Drafting for Small Engineering Firms, CE:Feb 80:56
Dsc: Stuart Newman, CE:July 80:35
TR:145:600
Computerizing Public Works Design, CE:May 80:76
Dsc: Steve Ridlon, CE:Nov 80:30
TR:145:696
Energy From Space, CE:July 79:53
Dsc: Don Johnstone, CE:Jan 80:30; Peter E. Glaser, CE:Jan 80:31
TR:145:304
First U.S. Van Pool — Big Success, CE:Nov 79:76
TR:145:465
Marketplace Solutions to Air Pollution, CE:Jan 80:68
TR:145:553
The New Energy Boom: Hydropower, CE:Apr 80:66
Dsc: Brian Van Weele, CE:Aug 80:37; Herman J. Koloseus, CE:Aug 80:37
TR:145:660
New York: Water City, CE:June 79:83
Dsc: Fortney H. Stark, Jr., CE:Oct 79:29
TR:145:290
Regulations Complicate Land Reclamation in the West, CE:Sept 80:85
Regulations: More is Less, CE:Sept 79:99
TR:145:399
Strategic Petroleum Reserves: Billion Dollar Project to Provide Energy Security for U.S., Part 1 and 2, CE:Aug 80:41
Subsidence—A Geological Problem with a Political Solution, CE:May 80:60
TR:145:688
Transportation Planners Join Battle for Cleaner Air, CE:Nov 79:84
TR:145:480
U.S.-China Relations: Friends Now, Partners Tomorrow?, CE:Apr 79:57
TR:145:178
Washington METRO: A People's Eye View, CE:June 79:59
TR:145:248
What's Happened to the Quality of Asphalt?, CE:Dec 80:43
Winter Roof Collapses: Bad Luck or Bad Design?, CE:Dec 79:42
Dsc: Carl H. Carpenter, CE:May 80:28; Wiley K. Zabel, CE:May 80:31; Duane S. Ellifritt, CE: May 80:31
TR:145:499
Women Engineers: Here to Stay, CE:May 79:68
TR:145:225
Workers as Managers Boost Productivity, CE:Oct 80: 121

Selvadurai, A. P. S.
Engineering Approximations for the Dynamic Behaviour of Deeply Embedded Foundations, with M. Rahman, EM81:Jan 81:361

Sen, Rajan
Dsc, TN: ST5:May 79:970:14551, of "Skew Reinforcement in Slabs", TN: ST8:Aug 78:1317: 13917
Dsc, GT4:Apr 80:482:15300, of "Static and Dynamic Laterally Loaded Floating Piles", GT2:Feb 79:289: 14394

Sen, Subir K.
See Peter M. McMahon, ST3:Mar 79:547:14443

Sen, Zekai
Statistical Analysis of Hydrologic Critical Droughts, HY1:Jan 80:99:15134
TR:145:553
Dsc, HY7:July 79:916:14662, of "Stream Temperature Estimation Using Kalman Filter", HY9:Sept 78:1257:13991

Serpa, Gordon J.
Service-Wide Earthwork — A Software Team Effort, with Duane W. Chamot, CP80:June 80:357

Seth, Harbhajan S.
See Brij M. Sahni, IR2:June 79:205:14658

Sethi, Amar J.
See Raymond N.Y. Yong, GT10:Oct 79:1193:14903

Settergren, Carl D.
Timber Harvest and Water Yields in the Ozarks, with R. Michael Nugent and Gary S. Henderson, IRKB: July 80:661

Sevuk, Suha
Unsteady Flows in Water Distribution Systems, HYCO:Aug 80:228

Seyle, F. Wade, Jr.
See Frank H. Posey, Jr., CZ80:Nov 80:1869

Seymour, Richard J.
The Nearshore Sediment Transport Study, Preprint No.80-555, Oct 80, 7pp.
Performance Analysis of Tethered Float Breakwater, with Daniel M. Hanes, WW3:Aug 79:265:14755 TR:145:442

Shaal, Benzion
See Sam Frydman, GT3:Mar 80:275:15289

Shah, D. P.
See James L. Lammie, Preprint No.80-171, Apr 80, 21pp.
See James L. Lammie, TE4:July 80:437:15523

Shah, Dhananjay L.
See Arvind V. Shroff, TN: GT10:Oct 80:1153:15724

Shah, Haresh C.
See Anne S. Kiremidjian, ST1:Jan 80:69:15110
See Jean B. Savy, ST1:Jan 80:145:15115
See James M. Gere, CE:Dec 80:47

Shah, Surendra P.
Problems in Determining Stress-Strain Characteristics of High Strength Concrete, Preprint No.80-005, Apr 80, 28pp.
See Pao-Tsan Wang, ST11:Nov 78:1761:14139
See Perumalsamy N. Balaguru, ST7:July 79:1333:14671
See Methi Wecharatana, FIC:Oct 80:82

Shahabian, Gregory L.
Modeling Combined Sewer Storage Alternatives, with Anthony J. Graham and George E. Kamedulski, EE80:July 80:480

Shahin, Mohamed Y.
Condition Evaluation of Jointed Concrete Airfield Pavement, with Michael I. Darter and Starr D. Kohn, TE4:July 80:381:15527
See Michael I. Darter, TE1:Jan 80:1:15135

Shaligram, V. M.
Dsc, with V. S. Lele, HY1:Jan 80:213:15097, of "Flood Frequency Analysis by Power Transformation", HY11:Nov 78:1495:14179

Shanahan, Peter
Graphics for Hydraulic Transients Simulation, with Brendan M. Harley, CP80:June 80:27

Shanks, Larry R.
See J. Albert Sherk, Jr., CZ80:Nov 80:206

Shapiro, Harvey A.
Two Approaches to Coastal Area Planning in Japan, CZ80:Nov 80:741

Shapiro, Jill
See Hugh Converse, CZ80:Nov 80:1829

Shapiro, Maurice A.
See J. Sykora, EE80:July 80:267

Shapiro, Michael H.
Environmental Models for Screening Land-Use Plans, with Peter R. Rogers, UP2:Nov 79:151:14949 TR:145:734

Shapiro, Philip
Planning for Transportation Control Measures in Washington, Philadelphia, Baltimore and Pittsburgh, with David Dunlap, John Claffey and Bruce Haultman, CAAA:Nov 79:43

Shapiro, Steve
See Gary Euler, CP80:June 80:560

Sharifi, Manijeh
See Spyros Economides, EE4:Aug 78:675:13951

Sharkey, J.
See S. Roychowdhury, EE80:July 80:75

Sharma, Duli C.
Big Cajun No. 2 Docks: Planning and Design, PO80: May 80:100

Sharma, Dunesh C.
Hazard Mitigation on Barrier Island and Beaches, CZ80:Nov 80:1450

Sharma, Heramb D.
Canal Seepage with Boundary at Finite Depth, with Amrik S. Chawla, HY7:July 79:877:14715 TR:145:385
See Hari Mohan, HY7:July 77:753:13091

Sharma, Jagat N.
Nonlinear Modeling of Wave Runup on Sloping Beach, WW2:May 79:125:14564 TR:145:357

Sharma, S. K.
Dsc, CE:Dec 80:34, on Critical Path Scheduling: An Overview, CE:July 80:66

Sharma, Sudhakar
Buckling of Antisymmetrically Laminate Cross-Ply and Angle-Ply Rectangular Plates, with N. G.R. Iyengar and P. N. Murthy, EM1:Feb 80:161:15208 TR:145:568

Sharma, Tribeni C.
Discrete Dynamic Model of Watershed Sediment Yield, with William T. Dickinson, HY5:May 79: 555:14592 TR:145:315

Sharp, James J.
Oil Booms and Skimmer Walls: A Comparison, TN: EE5:Oct 80:991:15723
Undergraduate Engineering Consultants, with A. John Christian, EI1:Jan 80:51:15127 TR:145:471

Sharp, Warren L.
Environmental Data Collection Via the Global Meteorological Satellite System for Water Management and Control, ASDC:80:316

Sharpe, Roland L.
Seismic Design of Highway Bridges in the United States, with Ronald L. Mayes and James D. Cooper, TC1:Aug 80:13:15604

Shaver, James R.
Comparison of FEM Analyses for a Hyperboloidal Shell, with Timothy A. Reinhold, CP80:June 80: 161
See Bruce R. Ellingwood, ST11:Nov 80:2151:15802

Sheer, Daniel P.
ICPRB and Washington Metro Water Management, with Paul W. Eastman, WR1:Mar 80:303:15283 TR:145:583

Sheets, Robert C.
Applications of Advanced Airborne Reconnaissance Instrumentation Systems (Abstract), MGC:July 80: 364

Sheffi, Yosef
Elevator System Configuration Optimization, TE2: Mar 79:127:14448
TR:145:154

Sheikh, Shamim A.
Strength and Ductility of Tied Concrete Columns, with Suzru M. Uzumeri, ST5:May 80:1079:15388
TR:145:642

Shelef, Gedaliah
Kinetics of Pure Oxygen Activated Sludge, with Michal Green, EE6:Dec 80:1099:15884
See Gideon Oron, IR2:June 79:175:14611
See Gideon Oron, IR4:Dec 80:299:15906

Shelton, Steve
See Ed Smith, EE80:July 80:634

Shen, Hsieh Wen
Statistical Properties of Sediment Bed Profiles, with Hin Fatt Cheong, HY11:Nov 77:1303:13348
Dsc: Harvey E. Jobson, HY9:Sept 78:1367:13979
Clo: HY8:Aug 79:1037:14723
TR:145:22
See Che S. Hung, HY3:Mar 79:213:14438

Shen, Hung Tao
Transient Mixing in River Channels, EE3:June 78: 445:13810
Dsc: Eliseo M. Chan and Russell V. Elliot, EE2: Apr 79:429:14468
Clo: EE6:Dec 79:1184:15006
TR:145:48
Wintertime Flow Distribution in River Channels, with Norbert L. Ackermann, HY5:May 80:805: 15427
TR:145:691
See Terrence O. Harden, HY4:Apr 79:393:14501

Shen, Thomas T.
Air Pollutants from Sewage Sludge Incineration, EE1:Feb 79:61:14370
TR:145:224
Air Pollution Aspects of Land Disposal of Toxic Wastes, with T. James Tofflemire, EE1:Feb 80:211: 15213
TR:145:653

Shen, Yung Y.
Thermal Discharge Investigation, with Richard S. McGinnis, HYCO:Aug 80:13

Shepard, Scott
See Jack H. Willenbrock, CO3:Sept 80:371:15669

Shephard, Francis P.
See Gerald G. Kuhn, CZ80:Nov 80:1899

Sherk, J. Albert, Jr.
Atlantic Coast Ecological Inventory, 1980, with Larry R. Shanks, CZ80:Nov 80:206

Sherman, Donald R.
Behavioral Study of Circular Tubular Beam-Columns, with Hacik Erzurumlu and Wendelin H. Mueller, ST6:June 79:1055:14627
TR:145:287

Sherrard, Joseph H.
See Hraj A. Khararjian, EE2:Apr 79:189:14527

Sheskin, Ira M.
The Dade County On-Board Survey, with Gary S. Spivack and Peter R. Stopher, Preprint No.80-659, Oct 80, 13pp.

Sheta, Mohammed
See Milos Novak, GTA80:Oct 80:53

Shiau, Jgi-Jiang
Analysis of Partially Uplifted Base Mats, EY1:Jan 79: 9:14297
TR:145:194
Simplified Analysis of Vertical Vibrations, EY2:Aug 79:251:14750
Errata: EY2:Oct 80:259:15719
TR:145:367

Shiau, Le-Chung
Elastic-Plastic Seismic Response of Chimney, with Henry T.Y. Yang, ST4:Apr 80:791:15325
TR:145:622

Shiba, Sadataka
Dynamic Estimation of Settling Basin Performance, with Yoriteru Inoue and Yasuyo Ueda, EE6:Dec 79:1113:15045
Errata: EE6:Dec 80:1208:15864
TR:145:569
Dsc, EE6:Dec 79:1194:15006, of "Settling in Continuous Sedimentation Tanks", EE6:Dec 78: 1261:14231
Dsc, EE2:Apr 80:462:15296, of "Optimal Design of High Rate Sedimentation Devices", EE2:Apr 79: 199:14512

Shieh, Ching-Long
See Zdenek P. Bazant, EM5:Oct 80:929:15781

Shieh, Rong C.
Slope-Deflection for Elastic-Viscoplastic Frames, EM6:Dec 79:953:15052
TR:145:488

Shieh, Wen K.
See Enrique J. LaMotta, EE4:Aug 79:655:14759

Shieh, William Y.J.
See Chi-Yuan Wei, TC1:Apr 79:135:14503

Shields, James R.
Load Transfer in Pressure Injected Anchors, with Harry Schnabel, Jr. and David E. Weatherby, GT9: Sept 78:1183:14035
Dsc: James Neil Kay, GT8:Aug 79:997:14722
Clo: GT7:July 80:827:15511
TR:145:170

Shiers, Paul F.
See James Paul Tullis, HYCO:Aug 80:62

Shiflett, Michael M.
See F. B. Couch, Jr., CE:Oct 80:154

Shigeto, Manabe
Problems in New Tokyo Airport, with Sakai Katsuyuki, MGC:July 80:46

Shih, Teng-Yuan
See Y. K. Lin, EM6:Dec 80:1099:15896

Shin, Byong S.
Applicability of Kynch Theory to Flocculent Suspensions, with Richard I. Dick, EE3:June 80: 505:15461
TR:145:717

Shinn, Eugene A.
Scientific Collecting in South Florida: Problems with Permits, CZ80:Nov 80:2017

Shiraki, Kazuhiro
See Ronald L. Bannister, Preprint No.80-020, Apr 80, 20pp.

Shirke, Dattatreya B.
See Komarath Padmavally, HY1:Jan 80:227:15097

Sholock, Francis R.
The Central Artery Project — Construction Techniques, TE2:Mar 80:205:15284 TR:145:612
Esthetic Impact of Boston Central Artery Project on Urban Environment, UP1:Jan 79:35:14318 TR:145:627

Shook, Louise Palmer
See Adel S. Saada, GT10:Oct 79:1268:14867

Shope, William G.
Commercial Satellites for Data Collection (Abstract), with Richard W. Paulson, MGC:July 80:362
Real-Time Data Collection Via Satellite for Water Management, with Richard W. Paulson, Preprint No.80-561, Oct 80, 14pp.

Shore, Melvin
Dsc, EI1:Jan 79:54:14267, of "The Fourth Branch of Government", EI2:Apr 78:129:13669

Short, Stephen A.
See Robert P. Kennedy, TC1:Apr 79:119:14505

Shroff, Arvind V.
Resorcinolic Grout for Injecting Sandy Foundations, with Dhananjay L. Shah, TN: GT10:Oct 80:1153: 15724

Shroff, Avanti C.
Computer Applications Bridge Inventory and Inspection Program, CP80:June 80:471

Shubinski, Robert P.
See Myron S. Rosenberg, IRKB:July 80:517
See Richard S. Taylor, AS80:Aug 80:44
See Raymond Walton, HYCO:Aug 80:387

Shukla, D. K.
Initial Engineering Design Approach for Sealing of Geologic Nuclear Waste Repositories, with N. Foster Allen, D. E. Stephenson and Richard D. Ellison, Preprint No.80-168, Apr 80, 19pp.

Shultz, David J.
See Ronald E. Rathbun, EE2:Apr 78:215:13679

Shumway, Lawrence W.
See Francis X. Hall, Preprint No.80-171, Apr 80, 17pp.

Shwartz, Josef
See Israel Alterman, GT12:Dec 78:1536:14194

Shye, Kuen-Yaw
Post-Buckling Finite Element Analysis of Flat Plates, with James Colville, ST2:Feb 79:297:14382 TR:145:187

Siddharthan, Krishnaswami
See Chris Hendrickson, TC1:Aug 80:117:15631

Siddharthan, R.
See W. D. Liam Finn, Preprint No.80-638, Oct 80, 14pp.

Siddiqui, M. M.
See Khalid Mahmood, EM1:Feb 80:93:15198

Sideropoulos, Henry G.
See Li-Shiang Liang, EE5:Oct 80:935:15756

Sidle, R. C.
Long-Term Impacts of Surface Mining on Streamflow, with H. A. Menser, IRKB:July 80:598

Siemak, Robert C.
How to Remove Trihalomethanes from Drinking Water, with R. Rhodes Trussell, Albert R. Trussell and Mark D. Umphres, CE:Feb 79:49 TR:145:55

Siffert, Richard
Areawide Water System Planning in Washington State, Preprint No.80-161, Apr 80, 14pp.

Sih, George C.
Stable Growth of Surface Cracks, with Bruce V. Kiefer, EM2:Apr 80:245:15346 TR:145:629

Sikora, L. J.
Entrenchment of Sewage Sludge—a Disposal-Use Alternative, with D. Colacicco, CE:Apr 80:80 TR:145:678
Trenching of Digested Sludge, with N. H. Frankos, C. M. Murray and J. M. Walker, EE2:Apr 80:351: 15310 TR:145:663

Silberman, Edward
Boundary Layers in Developing Open Channel Flow, TN: HY7:July 80:1237:15516
Turbulence in Helically Corrugated Pipe Flow, EM4: Aug 80:699:15633
Dsc, HY2:Feb 80:350:15161, of "Theory of Minimum Rate of Energy Dissipation", HY7:July 79:769:14677

Silberstein, Samuel
Chlordane In Housing: An Example of Government Response to Indoor Air Quality Problems, with Benigna S. Carroll, Preprint No.80-657, Oct 80, 11pp.

Sills, Gilliane C.
Dsc, with Kuantsai Lee, GT7:July 80:830:15511, of "One-Dimensional Consolidation Problems", GT1: Jan 79:11:14330

Silva, Ronald F.
Wood Arch Relamination by Epoxy Grouting, Preprint No.80-531, Oct 80, 14pp.

Silverman, Donna K.
See Walter Cherwony, Preprint No.80-565, Oct 80, 12pp.

Silverman, I. K.
Flexure of Laminated Beams, ST3:Mar 80:711:15293 TR:145:616

Silveston, Peter L.
See J. Francisco Cordoba-Molina, EE6:Dec 78:1261: 14231

Simanton, John R.
Reciprocal-Distance Estimate of Point Rainfall, with Herbert B. Osborn, TN: HY7:July 80:1242:15516
See Robert M. Dixon, IRKB:July 80:809

Simard, Peter
See James M. Tolle, CE:June 79:78

Simitses, G. J.
Dynamic Stability of Statically Pre-Loaded Systems, with Lazopoulos, EM81:Jan 81:477

Simiu, Emil
Extreme Wind Speeds at 129 Airport Stations, with Michael Changery and James J. Filliben, ST4:Apr 80:809:15334
TR:145:626
Revised Procedure for Estimating Along-Wind Response, ST1:Jan 80:1:15111
TR:145:538
Weibull Distributions and Extreme Wind Speeds, with James J. Filliben, ST12:Dec 80:2365:15909
Dsc, ST10:Oct 79:2130:14869, of "Wind and Snow Load Factors for Use in LRFD", ST9:Sept 78:1443:14006
See Jacques Bietry, ST10:Oct 78:1585:14099
See Martin E. Batts, ST10:Oct 80:2001:15744
See Martin E. Batts, TN: ST10:Oct 80:2111:15726

Simonian, Stepan S.
Identification of Wind Force Spectrum, with Gary C. Hart, EM81:Jan 81:672

Simons, Daryl B.
Effect of Dock Resistance on Tanker Mooring Forces, with Yung Hai Chen and Lawrence J. Swenson, HYCO:Aug 80:419
Flow Resistance in Cobble and Boulder Riverbeds, with Khalid S. Al-Shaikh-Ali and Ruh-Ming Li, HY5:May 79:477:14576
Dsc: Howard F. Matthai, HY2:Feb 80:346:15161; Henry C. Riggs, HY4:Apr 80:625:15301; Durl E. Burkham, David R. Dawdy and Harry H. Barnes, Jr., HY6:June 80:1132:15444
TR:145:292
See Victor Miguel Ponce, HY12:Dec 77:1461:13392
See Victor Miguel Ponce, HY7:July 78:947:13890
See Victor Miguel Ponce, HY3:Mar 79:245:14456
See Victor Miguel Ponce, HY4:Apr 79:351:14493
See Yung Hai Chen, WW3:Aug 79:313:14778
See Victor Miguel Ponce, HY9:Sept 79:1079:14807
See Ruh-Ming Li, TN: IR1:Mar 80:63:15230
See Ruh-Ming Li, HY4:Apr 80:575:15347
See Peter F. Lagasse, WW3:Aug 80:389:15643

Simpson, James
Wharf Design in the Philippines, with Estello C. Tumblod, WW4:Nov 79:375:14995
TR:145:598

Simpson, Pickett T.
See Allen W. Hatheway, EE80:July 80:329

Sims, James R.
Sims is New ASCE President-Elect; Nine Other National Offices Filled, CE:Oct 80:142

Sing, Edward F.
See Alan L. Prasuhn, HYCO:Aug 80:209

Singer, Everett P.
Unconfined Grazing and Bacterial Water Pollution—A Review, with Gerald F. Gifford, IRKB:July 80:578

Singh, Anand K.
Evaluation Of Soil-Structure Interaction Methods, with Tzu-I Hsu, Tara P. Khatua and Shih-Lung Chu, EM81:Jan 81:580

Singh, Gurinder
See Dennis Clifford, EE80:July 80:514

Singh, Kiran K.
Optimum Proportions of Cylindrical Steel Water Tanks, with Prabhata K. Swamee, TN: ST5:May 80:1193:15384

Singh, Krishan P.
Flood Frequency Modeling and Outliers, HYCO:Aug 80:74
Synthetic Hydrologic Information - A Case Study, HY10:Oct 79:1257:14922
TR:145:470
Dsc, EE6:Dec 78:1313:14192, of "Optimization in Design of Pumping Systems", EE1:Feb 78:127:13543
Dsc, UP1:Jan 79:83:14273, of "Water Supply Feasibility Studies in Philippines", UP1:May 78:59:13726
Dsc, HY3:Mar 80:462:15225, of "Flood Frequency Analysis by Power Transformation", HY11:Nov 78:1495:14179

Singh, Lakshman P.
See Jai B. Kim, GT5:May 79:643:14571

Singh, Mahendra P.
Random Thermal Stress in Concrete Containments, with Robert A. Heller, ST7:July 80:1481:15542
Response of Locomotives on Randomly Imperfect Tracks, Preprint No.80-633, Oct 80, 14pp.
Seismic Design Input for Secondary Systems, ST2:Feb 80:505:15207
Dsc: Mikel Murga and Edward J. O'Conner, ST12:Dec 80:2574:15868
TR:145:598
Seismic Response by SRSS for Nonproportional Damping, EM6:Dec 80:1405:15948

Singh, Ram D.
See Izzat M. Idriss, GT12:Dec 78:1427:14265

Singh, Satya P.
Storage of Freshwater in Saline Aquifers, with Valdali V.N. Murty, IR2:June 80:93:15476
TR:145:708

Singh, Shiwendra P.
Highway Embankment Doubles as Dam, CE:Apr 79:80
TR:145:204

Singh, Sita Ram
See Budhi Sagar, HY8:Aug 79:943:14765

Singh, Sukhmander
Seismic Design Criteria for Fossil Plant Structures, with Mayasandra K. Ravindra and Thomas G. Longlais, Preprint No.80-647, Oct 80, 20pp.

Singh, Udai P.
Approximate BOD Treatment Requirements for Urban Runoff, with Ronald L. Wycoff and Gregory L. Tate, EE1:Feb 79:3:14360
Dsc: S. David Graber, EE1:Feb 80:248:15158
Clo: EE5:Oct 80:1002:15717
TR:145:200

Sinha, Kumares C.
See T. William Patterson, UP2:Nov 79:129:14967

Sinha, Sachchidanand N.
See Kaveti Seetharamulu, ST7:July 79:1457:14696

Sinkoff, Morton D.
Not For Computer People Only—APL In Universities, CP80:June 80:424

Sinton, David F.
See James O. Howell, SU80:June 80:54

Sinton, John W.
Opportunities and Problems in Planning the New Jersey Pinelands and Coastal Zone, CZ80:Nov 80:137

Sircar, Partha
See Robert G. Bea, Preprint No.80-506, Oct 80, 23pp.

Sirisiksorn, A.
See Antoine E. Naaman, CE:Oct 80:147

Sison, Antonio X.
See Donald E. Bowes, Preprint No.80-055, Apr 80, 30pp.

Sivaloganathan, Kathirithamby
Channel Flow Computations Using Characteristics, HY7:July 79:899:14717
Dsc: Nikolaos D. Katopodes, HY2:Feb 80:351: 15161; D. C. Wiggert, HY3:Mar 80:470:15225
Clo: HY9:Sept 80:1546:15663
TR:145:388
Flood Routing by Characteristic Methods, HY7:July 78:1075:13866
Dsc: Delbert D. Franz, HY8:Aug 79:1041:14723
Clo: HY3:Mar 80:451:15225
TR:145:81

Siverts, L. Eric
See Shelley S. Ellis, IRKB:July 80:494

Skaggs, R. Wayne
Combination Surface-Subsurface Drainage System for Humid Regions, IR4:Dec 80:265:15883
See Yau K. Tang, IR2:June 80:113:15457

Skau, Clarence M.
Snowmelt Sediment from Sierra Nevada Headwaters, with John C. Brown and John A. Nadolski, IRKB: July 80:418

Skelton, Basil A.
See John A. Gordon, EE6:Dec 77:1001:13437

Skinnarland, Kirvil
Coastal Energy Development in Santa Barbara County, with Mel Willis, CZ80:Nov 80:634

Skinner, Peter N.
NEWCO and SCA — Harbingers for Future Hazardous Waste Siting Wrangles?, EE80:July 80: 657

Sklash, Michael G.
Groundwater Response during Runoff Events, with Robert N. Farvolden, IRKB:July 80:743

Skogerboe, Gaylord V.
Developing Agricultural Best Management Practices, with Wynn R. Walker and Robert G. Evans, IRKA: July 80:298
Salinity Control Planning Framework, with Wynn R. Walker and Robert G. Evans, WR2:Sept 79:329: 14849
TR:145:244
See Wynn R. Walker, IR1:Mar 79:1:14454
See Wynn R. Walker, IR1:Mar 79:15:14455
See William E. Hart, IR3:Sept 79:275:14827
See Marshall Flug, WR2:Sept 79:305:14844
See Wynn R. Walker, IRKA:July 80:228

Skolnick, Marilyn
Dsc, UT79A:July 79:194, of "Improved Local Resource Allocation", UT79A:July 79:179

Skop, Richard A.
Cable Spring Constants for Guyed Tower Analysis, ST7:July 79:1307:14675
TR:145:340
See Felix Rosenthal, ST3:Mar 80:679:15247
See Owen M. Griffin, WW2:May 80:183:15414

Slack, Joseph L.
The Love Canal Remedial Action Report, EE80:July 80:564

Slade, Judith E.
See Roland K. Price, TN: HY11:Nov 79:1456:14935

Sleath, John F.A.
Measurements of Bed Load in Oscillatory Flow, WW3:Aug 78:291:13960
Dsc: Robert G. Dean and E. P. Berek, Clo: WW4:Nov 80:491:15789
TR:144:474

Sletten, R. S.
Energy and Costs for Agricultural Reuse of Wastewater, with Sherwood C. Reed and Eddie J. Middlebrooks, EE80:July 80:339

Sliter, George E.
Assessment of Empirical Concrete Impact Formulas, ST5:May 80:1023:15411
TR:145:654

Slobodnik, Don
Monitoring of Dam Movements Using Laser Light, with Edward F. Roof, TE6:Nov 80:829:15850

Slockbower, Robert E.
See John W. Fisher, Preprint No.80-029, Apr 80, 22pp.

Slosson, James E.
See James P. Krohn, SLS:June 80:596

Slotta, Larry S.
See Robert T. Hudspeth, EM2:Apr 78:319:13695

Slye, O. M., Jr.
Fire Protection on Petroleum Jetty's, PO80:May 80: 681

Small, Mitchell J.
Stormwater Treatment Systems, with Dominic M. DiToro, EE3:June 79:557:14617
TR:145:5
See Dominic M. Di Toro, EE1:Feb 79:43:14368

Smart, John D.
See Ashok K. Chugh, EM6:Dec 79:1069:15007

Smart, P.
See R. Rama Rao, SLS:June 80:96

Smietana, Elwood A.
See Philip J. Richter, EM81:Jan 81:401

Smilowitz, Robert
Design Seismic Accelerations in Buildings, with Nathan M. Newmark, ST12:Dec 79:2487:15066
TR:145:499

Smith, Alvin
See S. S. Wang, Preprint No.80-572, Oct 80, 18pp.

Smith, Cameron M.
Lake Erie Airport—Status Update, TE3:May 80:227: 15410
TR:145:645

Smith, Daniel W.
Wastewater Treatment for Cold Regions, Preprint No.80-172, Apr 80, 21pp.

Smith, David P., Jr.
Detention Storage for Urban Flood Control, with Philip B. Bedient, WR2:July 80:413:15555

Smith, Douglas A.
See Kishor C. Mehta, Preprint No.80-644, Oct 80, 10pp.

Smith, E. T.
Modeling the Cumulative Onshore Effects of Offshore Oil and Gas Development, with L. G. Hecht, Jr, CZ80:Nov 80:2083

Smith, Earling A.
Dsc, ST10:Oct 80:2134:15722, of "Torsional Buckling Study of Hartford Coliseum", ST1:Jan 80: 211:15124

Smith, Ed
Potential for Water Reuse—A Computer Model, with Steve Shelton, Manette Messenger and Barry Peterman, EE80:July 80:634

Smith, Edwin M.
Hazardous Location Program, HW80:Mar 80:109

Smith, Erling A.
Hartford Coliseum Roof Collapse: Structural Collapse Sequence and Lessons Learned, with Howard I. Epstein, CE:Apr 80:59
TR:145:653
Member Post-Buckling Behavior and Space Truss Progressive Collapse, Preprint No.80-665, Oct 80, 13pp.
Minimum-Weight Design of Nonuniform Beams, TN: ST7:July 79:1559:14664
Dsc: Jacques Heyman, TN: ST2:Feb 80:578: 15162
Clo: TN: ST9:Sept 80:1995:15665
Progressive Collapse in the Hartford Space Truss, with Howard I. Epstein, Preprint No.80-062, Apr 80, 13pp.
Restrained Warping in Free-Standing Staircases, TN: ST3:Mar 80:734:15231
Dsc, ST11:Nov 79:2484:14936, of "Pretensioning of Single-Crossarm Stayed Columns", ST2:Feb 79:359: 14362
Dsc, TN: ST12:Dec 79:2782:15011, of "Space Truss Design in Inelastic Range", TN: ST12:Dec 78:1915: 14201
Dsc, ST4:Apr 80:937:15302, of "Force Limiting Devices in Space Trusses", ST5:May 79:939:14589

Smith, H. Gregory
See Siamak Khorram, ASDC:80:286
See Siamak Khorram, ASDC:80:368

Smith, H. Rodney
See Richard E. Goodman, TN: GT2:Feb 80:191: 15193

Smith, John Ward
See Ken P. Chong, GT5:May 79:595:14567

Smith, Kenneth N.
See Sami M. Fereig, ST7:July 79:1319:14674

Smith, Lowell Kent
See Jack P. Dangermond, SU80:June 80:97

Smith, Martin
Remarks of Dave Stockman, CAAA:Nov 79:400

Smith, Raymond A.
Golden Gate Tidal Measurements: 1854-1978, TN: WW3:Aug 80:407:15592
Water Level Variations along California Coast, with Robert J. Leffler, WW3:Aug 80:335:15614

Smith, Ricardo A.
See Jose D. Salas, Preprint No.80-158, Apr 80, 22pp.
See Jose D. Salas, CP80:June 80:305
See Jose D. Salas, CP80:June 80:315

Smith, Richard W.
See Charles R. Foster, TE6:Nov 80:857:15787

Smith, Robert L., Jr.
Temporal Stability of Modal Choice Models, TE3: May 79:263:14565
TR:145:223
Traffic-Assignment Techniques for Smaller Cities, with Thomas S. Brennan, TE1:Jan 80:85:15123
TR:145:498

Smith, Robert R.
Impact of Urbanization on Water Treatment Management, Preprint No.80-065, Apr 80, 12pp.

Smith, Roger E.
Dsc, with Robert J. Montgomery, IR4:Dec 80:379: 15867, of "Runoff Curve Numbers form Partial Area Watersheds", IR4:Dec 79:375:15024

Smith, Strether
See Leon Kempner, Jr., Preprint No.80-041, Apr 80, 19pp.

Smith, Travis Logan, III
Memoir of, TR:145:761

Smith, Wayne Winter
Nonsymmetrical Loadings on Pipe, TE3:May 79:307: 14584
Dsc: John H. Scarino, TE1:Jan 80:131:15099
Clo: TE5:Sept 80:613:15666
TR:145:250

Smith, William G.
Use of a Simplified Surface Runoff Model, HYUS: June 80:173

Smolenyak, Kevin J.
Stormwater Runoff Modeling of a Planned Community, HYUS:June 80:378

Smoots, Vernon A.
See William Enkeboll, WW4:Nov 80:429:15832

Smucha, S.
See Amos Komornik, SLS:June 80:206

Snedeker, Roscoe B.
Land Surveying Research Needs: The Next Decade, SU1:Nov 79:85:14961
TR:145:736

Snell, Luke M.
Dsc, CO2:June 80:235:15440, of "Alternative Construction Quality Assurance Programs", CO3: Sept 79:187:14800
Dsc, WR2:July 80:572:15515, of "Water Resources Education Requirements of Engineering Firm", WR2:Sept 79:377:14858
See Joseph P. Klein, III, CO3:Sept 79:275:14791

Snell, Wallace W.
See Arthur R. Benton, Jr., TE4:July 80:453:15551

Snethen, D. R.
Summary of Open Discussion, with A. Ruckman, D. G. Fredlund, R. L. Lytton, R. G. McKee, W. G. Holtz, M. L. Steinburg, D. H. van der Merwe, Z. Ofer, C. Coffee, E. Stepkowska, B. Balasubramonian, H. Reitz, P. Mitchell and , SLS: June 80:717
Dsc: Andrew M. Coatsworth, SLS:June 80:764

Snethen, Donald R.
Characterization of Expansive Soils Using Soil Suction Data, SLS:June 80:54

Snoeyink, Vernon L.
See John C. Crittenden, EE80:July 80:274
See Michael C. Lee, EE80:July 80:387

Snyder, B. A.
See J. S. Godlewski, Preprint No.80-666, Oct 80, 12pp.

Snyder, David M.
Water Use For Electric Power Generation, with K. T. Mao and Robert D. Glynn, Jr., EFHYF:Mar 79: 400

Snyder, George H.
See Damodar S. Airan, Preprint No.80-652, Oct 80, 13pp.

Snyder, Gordon
Evaluating Silvicultural Impacts on Water Resources, IRKB:July 80:682
Monitoring on Wilderness Water Quality, IRKB:July 80:504

Snyder, Robert M.
Is There Life Beyond Mitigation?, CZ80:Nov 80:470
Tidal Hydraulics in Estuarine Channels, HY2:Feb 80: 237:15202
TR:145:585
Use of Electrical Analogs as a Design Tool for Tidal Canals, with Bent A. Christensen and Raymond Walton, HYUS:June 80:119

So, Wai-Cheong
Track Structure Design by Mathematical Models, TE5:Sept 79:483:14828
TR:145:356

Sobey, Rodney J.
A Predictive Model of Hurricane Wind-Waves, with Ian R. Young, HYCO:Aug 80:333
See Ian R. Young, TN: WW4:Nov 80:499:15789

Soffian, Gerard
The Transportation — Air Quality Planning Process, with John Filippelli and John C. Cosby, CAAA: Nov 79:126

Sogge, Robert L.
See Edward A. Nowatzki, Preprint No.80-177, Apr 80, 24pp.

Sokolov, M. S.
See Joram M. Amir, SLS:June 80:582

Solana, Vicente
Dsc, with Salvador Meca, ST7:July 79:1567:14663, of "Towards a Rational Theory for RC Members in Shear", ST4:Apr 78:649:13697
Dsc, with Salvador Meca, ST12:Dec 79:2784:15011, of "Stochastic Nature of Building Live Loads", ST3:Mar 79:493:14441

Solanki, Himat T.
Biaxial Bending Simplified, TN: ST5:May 80:1198: 15384
Dsc: Alex Aswad, TN: ST12:Dec 80:2582:15868; S. E. Huey, TN: ST12:Dec 80:2582:15868
Deflection Control by Span-Effective Depth Ratio, TN: ST9:Sept 80:1974:15667
Dsc, ST10:Oct 79:2142:14869, of "Lower Bound Limit Design of Concrete Structures", ST12:Dec 78:1901:14240
Dsc, ST1:Jan 80:369:15098, of "Ultimate Torque of Reinforced Rectangular Beams", ST3:Mar 79:653: 14466

Soliman, Mostafa M.
Dsc, IR2:June 80:161:15445, of "Storage Coefficients from Ground-Water Maps", IR2:June 79:205:14658

Sollenberger, Norman J.
Wind Loading and Response of Cooling Towers, with Robert H. Scanlan and David P. Billington, ST3: Mar 80:601:15281
TR:145:609

Solomon, Rhey M.
Graphical Display of Watershed Management Options, with Larry J. Schmidt, IRKB:July 80:1026

Som, Nitin N.
See Chitta R. Gangopadhyay, GT11:Nov 80:1243: 15807

Somayaji, Shan
Influence of Notch Dimensions on the Effective Surface Energy and Notch-Sensitivity of Cement Compounds, FIC:Oct 80:36
Dsc, ST8:Aug 80:1827:15586, of "Prestressed Concrete Members in Direct Tension", ST7:July 79:1471:14693

Somers, Arnold E., Jr.
See Siegfried M. Holzer, ST1:Jan 79:17:14303
See Siegfried M. Holzer, EM2:Apr 80:289:15322

Sommerfeld, William F.
See W. Dennis Moran, TC1:Aug 80:41:15616

Soncini-Sessa, Rodolfo
See Sergio Rinaldi, EE1:Feb 79:75:14377

Song, Charles C.S.
Awards for 1980 to be given this Month: Stevens Award, with Chih Ted Yang, CE:Oct 80:150
Minimum Stream Power: Theory, with Chih Ted Yang, HY9:Sept 80:1477:15691
Velocity Profiles and Minimum Stream Power, with Chih Ted Yang, HY8:Aug 79:981:14780
Dsc: William R. Brownlie, HY3:Mar 80:473: 15225
Clo: HY10:Oct 80:1696:15721
TR:145:405
See Chih Ted Yang, HY6:June 79:757:14600
See Chih Ted Yang, HY7:July 79:769:14677

Soni, Jagdish P.
Aggradation in Streams Due to Overloading, with Ramachandra J. Garde and Kittur G. Ranga Raju, HY1:Jan 80:117:15147
Dsc: Subhash C. Jain, HY11:Nov 80:1953:15784; Mohammad Akram Gill, HY11:Nov 80:1955: 15784
TR:145:562
Short Statistical Analysis of Total Load Concentration, TN: HY8:Aug 80:1383:15590

Sonnen, Michael B.
Public Water Supply Protection Benefits, EE3:June 79:511:14604
TR:145:348
Session VIII—Environmental Applications, EFHYF: Mar 79:430
Urban Runoff Quality: Information Needs, TC1:Aug 80:29:15611

Sonnichsen, John C., Jr.
Direct Explicit Formulation for Approach to Wet Bulb, with Edward C. Strozyk, EY1:Jan 79:63: 14289

TR:145:88

Sonoda, Kelichiro
Rectangular Plates on Linear Viscoelastic Foundations, with Harutoshi Kobayashi, EM2:Apr 80:323:15307
TR:145:575

Soong, Tsu T.
See James C.H. Chang, EM6:Dec 80:1091:15882

Sorensen, John H.
Earthquake Prediction: A Socioeconomic View, EI3: July 80:257:15550

Sorensen, Robert M.
See J. Richard Weggel, PO80:May 80:640

Sorensen, Torben
See Jitendra Khanna, PO80:May 80:731

Sorg, Tom
See Dennis Clifford, EE80:July 80:514

Sorochan, E. A.
Pile Foundations in Swelling Soils, SLS:June 80:845

Soros, Paul
An Environmentally Acceptable Coal Port, with Mohammed Osman, PO80:May 80:11

Sotiropoulos, Elias
Cut and Cover Construction on Unstable Slopes, with Spyros Cavounidis, CO4:Dec 80:585:15890
See Spyros Cavounidis, GT6:June 80:659:15505

Soto, Marcello H.
Construction Methods in Tunneling under a Railroad, CO3:Sept 77:317:13180
TR:145:35

Spadoni, Richard
Coral Reef Protection During Beach Restoration in Florida, with Arthur V. Strock, CZ80:Nov 80:152
See Thomas J. Campbell, Preprint No.80-670, Oct 80, 8pp.

Spanos, Polihronis-Thomas Demetriou
Probabilistic Earthquake Energy Spectra Equations, EM1:Feb 80:147:15204
TR:145:560
Probability of Response to Evolutionary Process, with Loren D. Lutes, EM2:Apr 80:213:15313
TR:145:594

Sparks, Peter R.
A Study of the use of Ambient Vibration Measurements to Detect Changes in the Structural Characteristics of a Building, with Alan P. Jeary and V. C. M. de Souza, EM81:Jan 81:189
Use of Acceleration Measurements to Determine Wind Forces on Tall Buildings, Preprint No.80-056, Apr 80, 13pp.

Speece, Richard E.
See Gene F. Parkin, EE80:July 80:288

Speer, Phillip A.
Metrication of Structural Steel, with Harold L. Taylor, Preprint No.80-149, Apr 80, 21pp.

Speers, Douglas D.
Columbia River Operational Hydromet Management System (CROHMS), ASDC:80:337

Speitel, Gerald E.
See William H. Fleming, Jr., EE80:July 80:257

Spillers, William R.
Geometric Optimization Using Simple Code Representation, with George E. Kountouris, ST5: May 80:959:15396
TR:145:646

Spivack, Gary S.
See Ira M. Sheskin, Preprint No.80-659, Oct 80, 13pp.

Splendore, John L.
See Allen W. Hatheway, EE80:July 80:329

Spolia, S. K.
See Subhash Chander, HY11:Nov 78:1495:14179

Spragg, Dennis
See Olin W. Mintzer, TE6:Nov 78:847:14154

Springer, Everett P.
Curve Numbers from Watershed Data, with Bruce J. McGurk, Richard H. Hawkins and George B. Coltharp, IRKB:July 80:938
Effects of Logging Roads on Storm Hydrographs, with George B. Coltharp, IRKB:July 80:228

Springfield, John
Dsc, ST9:Sept 79:1867:14795, of "High Rise Building Column Design", ST9:Sept 78:1469:14027

Sproul, Otis J.
See Douglas S. Walsh, EE4:Aug 80:711:15601

Sproul, Otis J., Chmn.
State of the Journal, EE6:Dec 80:1013:15930

Spurlock, Robert Lansing, Jr.
Memoir of, TR:145:763

Spurr, K. J.W.
Dsc, HY10:Oct 80:1702:15721, of "Modeling in Design of Pumping Pits", HY9:Sept 79:1053:14812

Sridharan, A.
See M. Krishna Murthy, TN: GT10:Oct 80:1143: 15724

Sridharan, Srinivasan
Poisson's Effect on Buckling of Plate Assemblies, ST10:Oct 79:1967:14910
Dsc: Noel W. Murray and Georg Thierauf, ST10: Oct 80:2128:15722
TR:145:421

Srikanthan, R.
Stochastic Generation of Annual Streamflows, with Thomas A. McMahon, HY12:Dec 80:2011:15935

Srinivasan, C. N.
Dsc, ST1:Jan 79:264:14271, of "Concrete Filled Structural Plastic Columns", ST1:Jan 78:55:13478
Dsc, ST12:Dec 80:2572:15868, of "Alternate to ACI Analysis Coefficients", ST11:Nov 79:2203:14979

Srinivasan, M. G.
See D. Krajcinovic, Preprint No.80-522, Oct 80, 13pp.

Staehr, Thomas W.
See A. Fattah Chalabi, CP80:June 80:140

Stahl, Frank L.
See Edward Cohen, ST6:June 78:1027:13789
See Harry D. Reilich, Preprint No.80-051, Apr 80, 22pp.

Stalker, Richard D.
Regionalization: Where Are We Now in Palm Beach County, Preprint No.80-67, Oct 80, 13pp.

Stall, John B.
A Model Structure for Stream Systems, HYCO:Aug 80:98

Stamatopoulos, Aris C.
See Panaghiotis C. Kotzias, TN: GT2:Feb 80:193: 15193

Stanczuk, Dennis T.
See Orville R. Russell, TE5:Sept 80:523:15676

Stanton, Liana
See Ronald L. Rardin, Preprint No.80-612, Oct 80, 14pp.

Stapleton, James J.
Tort Liability as a Safety Incentive, HW80:Mar 80: 256

Stark, Fortney H., Jr.
Dsc, CE:Oct 79:29, on New York: Water City, CE: June 79:83

Stark, J. W.B.
See J. Witteveen, Preprint No.80-179, Apr 80, 27pp.

Starkey, Steven K.
Dsc, with Aubrey Philip Rabb, ST7:July 80:1670: 15513, of "Continuous Composite-Bridge Model Tests", ST9:Sept 79:1741:14824

Stathis, Theodore C.
Fluidized Bed for Biological Wastewater Treatment, EE1:Feb 80:227:15215
TR:145:659

Stathopoulos, Theodore
PDF of Wind Pressures on Low-Rise Buildings, ST5: May 80:973:15409
Errata: ST10:Oct 80:2142:15722
TR:145:652
Dsc, ST10:Oct 79:2132:14869, of "Wind and Snow Load Factors for Use in LRFD", ST9:Sept 78:1443: 14006
Dsc, EM4:Aug 80:854:15583, of "Pressures on Curtain Wall with External Mullions", EM4:Aug 79:515:14732

Stauble, Donald K.
The Use of Synthetic Fabrics in Coastal Dune Stabilization, CZ80:Nov 80:2190

Stavitsky, David
Approximate Analysis of Unsteady Laminar Flow, with Enzo Macagno, HY12:Dec 80:1973:15922
Pumping Due to Unbiased Local Wall Oscillations, with Enzo Macagno, EM4:Aug 80:677:15619

Stearns, S. Russell
Relicensure Requirements and Board Re-Evaluation, EI1:Jan 79:15:14332
TR:145:177

Stebbins, Rodney J.
Polymer-Impregnated Concrete at Dworshak Dam, CO4:Dec 78:539:14229
Dsc: Myles A. Murray, CO2:June 80:224:15440; B. V. Subrahmanyam, N. P. Rajamane and M. Neelamegam, CO2:June 80:224:15440
TR:145:169

Stednick, John D.
Alaska Water Quality Standards and BMPs, IRKB: July 80:721

Steedman, David W.
See Cornelius J. Higgins, EM81:Jan 81:126

Stefan, Heinz G.
Wind-Driven Flow in Mississippi River Impoundment, with Keith J. Anderson, HY9:Sept 80:1503:15699
See Dennis E. Ford, HY1:Jan 80:39:15119

Steinbach, Joav
See Sam Frydman, GT3:Mar 80:275:15289

Steinberg, Malcolm L.
Deep Vertical Fabric Moisture Seals, SLS:June 80: 383
See Raymond H. Lindholm, CE:June 80:80

Steinborn, Daniel I.
See Richard A. Du Bey, CZ80:Nov 80:2135

Steinborn, Sydney
Dsc, CE:Nov 79:32, on Will EPA Relax Its Mandatory Secondary Treatment Requirement?, CE:June 79:88

Steinburg, M. L.
See D. R. Snethen, SLS:June 80:717

Steiner, Ronald S.
Management Scheduling Techniques Used on the Dade County Rapid Transit System, Preprint No.80-515, Oct 80, 12pp.

Steinhardt, Otto W.
Low Cost Seismic Strengthening of a Power System, Preprint No.80-076, Apr 80, 15pp.

Stelling, Guus S.
Improved Stability of Dronkers' Tidal Schemes, HY8: Aug 80:1365:15660
Dsc, HY6:June 80:1144:15444, of "Unconditional Stability in Convection Computations", HY9:Sept 79:1079:14807

Stensel, H. David
See Sal D'Angelo, EE4:Aug 80:773:15636

Stenstrom, Michael K.
Alpha, Beta, and Theta Factors For Oxygen Transfer Testing, with R. Gary Gilbert, EE80:July 80:86
Cost Interactions in Activated Sludge Systems, with John F. Andrews, EE4:Aug 80:787:15627
Real-Time Control of Activated Sludge Process, with John F. Andrews, EE2:Apr 79:245:14521
TR:145:278
Dsc, with John F. Andrews, EE6:Dec 78:1308:14192, of "New Approach to Bacterial Kinetics in Wastewater", EE6:Dec 77:1057:13418
See Linfield C. Brown, TN: EE6:Dec 80:1193:15869

Stephens, D. W.
See Ronald E. Rathbun, EE2:Apr 78:215:13679

Stephenson, D. E.
See D. K. Shukla, Preprint No.80-168, Apr 80, 19pp.

Stephenson, David
Rockfill Linings for Channels, IRKB:July 80:643

Stephenson, Michael B.
See Henry N. Christiansen, TC1:Apr 79:3:14484

Stepkowska, E.
See D. R. Snethen, SLS:June 80:717

Stepkowska, Ewa T.
Study in Physical Theory of Expansiveness in Clays, SLS:June 80:136

Stern, E. George
Up-Grading of Wood Structures by Use of Improved Mechanical Fasteners, Preprint No.80-525, Oct 80, 9pp.

Stetson, Thomas M.
Let's Look at Some Legal Implications of Streamflow Forecasting, EFHYF:Mar 79:312

Stettler, Donald L.
See Gordon W. Stroup, IRKA:July 80:251

Stevens, Alan R.
The National Cartographic Information Center an Assist in Finding Remotely Sensed Data, AS80:Aug 80:183

Stevens, B. K.
See S. A. Hatchett, IR3:Sept 80:259:15664

Stevens, Charles F.
San Juan National Historic Site Shore Protection, Preprint No.80-678, Oct 80, 11pp.

Stevens, Herbert H., Jr.
Collapsible-Bag Suspended-Sediment Sampler, with Gale A. Lutz and David W. Hubbell, TN: HY4:Apr 80:611:15305

Stevens, J. Neil
Dsc, HY10:Oct 79:1337:14868, of "Impact of Hydrologic Uncertainties on Flood Insurance", HY11:Nov 78:1473:14168

Stevens, Leonard K.
See Milija Pavlovic, ST10:Oct 80:2077:15766

Stevens, Mark A.
Low Temperature Anaerobic Digestion of Swine Manure, with Dennis D. Schulte, EE1:Feb 79:33:14340
TR:145:181

Stevenson, Edward C.
Honolulu International Airport Groundside Plan, with Julian Ng, MGC:July 80:212

Stevie, Richard G.
See Robert M. Clark, EE1:Feb 79:89:14365

Steyn, A. P.
See D. H. van der Merwe, SLS:June 80:361

Stiassnie, Michael
Extreme Values of Breaker Direction and Longshore Current, with Uri I. Khoszynski, TN: WW3:Aug 79:331:14731
Errata: TN: WW4:Nov 80:497:15789

Stiller, Jon K.
See Chu-Kia Wang, ST11:Nov 79:2383:15002

Stilley, Alan N.
See Larry G. O'Dell, GTDF:80:288

Stilley, Sydney H.
Treating Industrial Wastewater of Varying Quality and Quantity, EE80:July 80:553

Stingelin, Ronald W.
Subsurface Coal Refuse Bank Fire Delineation, ASDC:80:268

Stirbis, P. P.
See Ching H. Yew, EM2:Apr 78:273:13703

St. John, Christopher M.
Underground Nuclear Waste Disposal — Scope and Concepts, Preprint No.80-165, Apr 80, 19pp.

St. John, Wayne
See Gerald W. Foess, EE5:Oct 80:947:15758

Stobbe, Michael W.
See Edward E. Rinne, GTDF:80:343

Stockbridge, Jerry G.
Cladding Failures — Lack of a Professional Interface, TC2:Dec 79:307:15085
TR:145:544

Stockton, Charles W.
Augmentation of Hydrologic Records Using Tree Rings, with William R. Boggess, EFHYF:Mar 79:239

Stoessel, John
See Ken Blakely, EM81:Jan 81:846

Stokoe, Kenneth H., II
Dsc, with Richard J. Hoar and Robert F. Ballard, Jr., GT10:Oct 79:1257:14867, of "Cross-Hole and Down-Hole V_S by Mechanical Impulse", GT12:Dec 77:1381:13397

Stoll, Robert D.
See Kin Y.C. Chung, Preprint No.80-038, Apr 80, 22pp.

Stolzenbach, Keith D.
See Charles W. Almquist, HY2:Feb 80:285:15185

Stolzy, L. H.
See W. A. Jury, Jr., IRKA:July 80:188

Stone, Larry J.
See Jerry R. Rogers, ASDC:80:92

Stopher, Peter R.
Captivity and Choice in Travel-Behavior Models, TE4:July 80:427:15566
Work-Trip Mode-Choice Models for South Africa, with Chester G. Wilmot, TE6:Nov 79:595:14960
TR:145:426
See Ira M. Sheskin, Preprint No.80-659, Oct 80, 13pp.

Storaasli, Olaf O.
Intergrated Computer-Aided Design Using Minicomputers, Preprint No.80-672, Oct 80, 15pp.

Stowers, Joseph R.
Future Prospects in Transportation Finance, with Carolyn Frank, UT79A:July 79:256
Dsc: C. Michael Walton, UT79A:July 79:284

Strand, Edward H.
Notched Trusses Give Low-Cost Conversion of Hangars for Jumbo Jets, with Stephen H. Barnes, CE:June 80:88
TR:145:724

Strange, Kenneth B.
Data Management for a Metroplex, with S. E. Mangum, Jr., SU80:June 80:202

Strange, William E.
See Larry D. Hothem, SU1:Nov 78:79:14132

Strasberg, David
See Damodar S. Airan, Preprint No.80-652, Oct 80, 13pp.

Strate, Harry E.
Effectiveness Evaluations—An Engineer's View, HW80:Mar 80:71

Stratton, James H.
Ten are Elevated to ASCE Honorary Membership, CE:Oct 80:142

Strausberg, Sanford I.
See Jing-Yea Yang, HYCO:Aug 80:119

Strauss, Max W.
Risk and Liability: The Owner's View, CRLS:Jan 79: 1-25

Street, Robert L.
See Angelos N. Findikakis, HYCO:Aug 80:249
See Benjamin R. Roberts, HYCO:Aug 80:261
See Angelos N. Findikakis, HYCO:Aug 80:377

Strelkoff, Theodor
Border-Irrigation Hydraulics with Zero Inertia, with Nikolaos D. Katopodes, IR3:Sept 77:325:13189
Dsc: Albert J. Clemmens and Delmar D. Fangmeier, IR3:Sept 78:337:13980
Clo: IR3:Sept 79:339:14794
TR:145:21
See Nikolaos D. Katopodes, IR4:Dec 77:401:13400
See Nikolaos D. Katopodes, EM2:Apr 79:317:14532
See Albert J. Clemmens, IR3:Sept 79:259:14820

Striffler, W. David
See Anton G. Thomsen, IRKB:July 80:326
See Susan E. Hogg, IRKB:July 80:755

Strobel, William N.
See Purshotam L. Chai, EY2:Aug 79:265:14771

Strock, Arthur V.
See Richard Spadoni, CZ80:Nov 80:152

Stroope, Rodney D.
See Frank G. Jenes, Preprint No.80-171, Apr 80, 21pp.
See Frank G. Jenes, EI4:Oct 80:327:15735

Stroud, Richard C.
See Leon Kempner, Jr., Preprint No.80-041, Apr 80, 19pp.

Stroup, Gordon W.
Drainage in the Humid Region of the Pacific Northwest, with Donald L. Stettler, IRKA:July 80: 251

Strozyk, Edward C.
See John C. Sonnichsen, Jr., EY1:Jan 79:63:14289

Strumpf, Richard P.
See Edmund F. Goedde, HY12:Dec 79:1487:15070

Stubbs, Norris
See Rene B. Testa, CP80:June 80:195

Stuber, Edward J.
See Hal W. Hunt, Preprint No.80-125, Apr 80, 17pp.

Studnicka, Jiri
Dsc, with Vladimir Kristek, ST10:Oct 79:2139:14869, of "Local, Distortional, and Lateral Buckling of I-Beams", ST11:Nov 78:1787:14155

Stuebner, D. O.
See R. C. Ayers, Jr., CZ80:Nov 80:1730

Stukenberg, John R.
Oxygen Transfer Measurements in Respiring Systems, EE80:July 80:78

Sturm, Terry W.
Heat Loss from Sidearms of Cooling Lakes, with John F. Kennedy, HY5:May 80:783:15398
TR:145:667

Stutz-McDonald, Susan E.
Settling Rates of Algae from Wastewater Lagoons, with Kenneth J. Williamson, EE2:Apr 79:273:14519
TR:145:271

Su, Charles
Water Retention Measurement for Soils, with Royal H. Brooks, IR2:June 80:105:15483
TR:145:715

Su, Peter K.
Development of Makeup-Line Safe-Operating Criteria, with Irving Joseph, HY2:Feb 80:269:15183
TR:145:576

Subba Rao, Kanakapura S.
Limit Analysis of Slabs with Free Edge, with N. Rangaiah and Balagolam V. Ranganatham, ST11: Nov 79:2419:14959
Errata: ST11:Nov 80:2354:15785
TR:145:447

Subba Rao, Pavuluri
See Srinivasan Thiruvengadachari, WR2:July 80:493: 15563

Subrahmanyam, B. V.
Dsc, with N. P. Rajamane and M. Neelamegam, CO2:June 80:224:15440, of "Polymer-Impregnated Concrete at Dworshak Dam", CO4:Dec 78:539: 14229

Subrahmanyam, Raja V.
See Salem D. Ramaswamy, GT8:Aug 79:957:14787

Subramaniaiyer, Sritharan
Dsc, HY5:May 79:635:14550, of "Air Entrainment in Radial Flow Towards Intakes", HY9:Sept 78:1323: 14038

Subramanian, Narayanan
Dsc, ST5:May 80:1226:15380, of "Folded Plate Structures", ST1:Jan 79:111:14300

Subramanya, Kanakati
See Amruthur S. Ramamurthy, IR4:Dec 78:399: 14252

Suffet, Irwin H.
See Kent E. Zenobia, TN: EE4:Aug 80:852:15588

Sugrue, Paul
An optimum Bid Approximation Model, CO4:Dec 80:499:15885

Suhrbier, John H.
Packaging Transportation Measures for Air Quality, CAAA:Nov 79:138

Sullivan, Brian J.
Nonlinear Static and Dynamic Deformations of Viscoelastic Cables, with Steven C. Batterman, EM3:June 80:543:15500
TR:145:691

Sullivan, Edward C.
Transportation and the 1977 Clean Air Act Amendments — Conference Summary, CAAA:Nov 79:1

Sullivan, Peter
See Victor V. Calabretta, PO80:May 80:807

Sumer, B. Mutlu
Dsc, HY7:July 79:915:14662, of "Fluid Dynamic Lift on a Bed Particle", HY8:Aug 78:1171:13976

Sun, Colette C.
See Dale L. Keairns, EY2:Oct 80:213:15749

Sun, Tseng-Yao
Mechanical-Structural Interface in Building Design, ST3:Mar 79:539:14447
Dsc: Daniel L. Schodek, ST1:Jan 80:365:15098
Clo: ST9:Sept 80:1991:15665
TR:145:216

Sundaram, Panchanatham N.
Initial Excess Pore Pressure in Soils, TN: GT4:Apr 80:465:15304
Dsc, GT5:May 80:587:15378, of "Oil Shale Properties by Split Cylinder Method", GT5:May 79:595:14567
See Richard E. Goodman, GT5:May 80:485:15433

Sundara Raja Iyengar, K. T.
Steady-State Response of Thick Rectangular Plates, with P. V. Raman, TN: EM4:Aug 80:842:15589

Sundberg, Kimbal A.
Sitka Coastal Habitat Evaluation, CZ80:Nov 80:514

Sung, Kai
See Yacov Y. Haimes, WR2:Sept 79:385:14859

Sunnell, Greg J.
See Samuel O. Russell, HY1:Jan 79:43:14317

Surtees, John O.
Bolt Tension Measurement from Head Strain Data, with Moheeb E. Ibrahim, ST2:Feb 80:477:15195
TR:145:590

Sutcliffe, Harry
Identification and Nature of Risks—D, CRLS:Jan 79:II-40

Sutton, Charles D.
See William G. Salomone, Preprint No.80-177, Apr 80, 14pp.

Suzaki, Hiroyuki
Bending of Laminated Cantilever Beams with Interlayer Slip, with Tse-Yung P. Chang, ST2:Feb 79:269:14366
TR:145:182
See Wai F. Chen, ST4:Apr 80:751:15316

Svasek, Jan N.
See Maarten B. de Groot, HY5:May 80:939:15379

Svensen, N. A.
See H. D. Ramsden, Preprint No.80-079, Apr 80, 21pp.

Svenson, George
Multimillion-Acre Tea Bag, CE:Feb 80:47
TR:145:586

Swain, Robert E.
See Loren K. Weston, IR2:June 79:117:14606

Swamee, Prabhata K.
See Kiran K. Singh, TN: ST5:May 80:1193:15384

Swanson, Gregory R.
Upgrading Lagoon Effluents with Rock Filters, with Kenneth J. Williamson, EE6:Dec 80:1111:15887

Swanson, H. V.
Dsc, TE5:Sept 79:592:14796, of "Installation of Fiberglass Pipe", TE6:Nov 78:835:14175

Swanson, John A.
Distributed Processing, Preprint No.80-052, Apr 80, 26pp.

Swanson, Vernon E.
Community Programming in Newer Industrial Nations, UP1:Jan 79:1:14280
TR:145:332

Swartz, Stuart E.
Composite Beams with Web Openings, with Krigo S. Eliufoo, TN: ST5:May 80:1203:15384

Sweazy, Robert M.
Effluent Irrigation at Lubbock, Texas, with Heyward R. Ramsey, III and George A. Whetstone, EE80: July 80:357

Sweeney, Robert A.P.
Dsc, ST7:July 78:1172:13857, of "Fatigue of Steel Beams by Simulated Bridge Traffic", ST8:Aug 77:1561:13123
Dsc, ST4:Apr 79:807:14473, of "New Method for Fatigue Design of Bridges", ST3:Mar 78:425:13618

Swenson, Lawrence J.
See Daryl B. Simons, HYCO:Aug 80:419

Swift, M. Robinson
Stress and Tidal Current in a Well-Mixed Estuary, with Ronnal Reichard and Barbaros Celikkol, HY7:July 79:785:14682
Errata: HY1:Jan 80:234:15097
TR:145:362

Swiger, William F.
Northfield Mountain Pumped Storage Project: Performance, with Philip A. Wild and Thomas J. Lamb, GT6:June 80:673:15506
TR:145:731
See Eduardo Kausel, GT12:Dec 79:1471:15065

Swindel, B. F.
See H. Riekerk, IRKB:July 80:706

Syamal, Pradip K.
Dynamic Torsional Response Of Symmetric Structures, with O. A. Pekau, EM81:Jan 81:902

Sykora, J.
Biological Contamination of Finished Water Reservoirs, with Maurice A. Shapiro and G. Keleti, EE80:July 80:267

Sylvester, Nicholas D.
See John J. Byeseda, EE2:Apr 79:231:14525

Symonds, P. S.
Elastic-Plastic Deflections Due To Pulse Loading, EM81:Jan 81:887

Szegezdy, Tibor
See Dr. Robert T. Ratay, EM81:Jan 81:760

Tabatabaie, Amir M.
Structural Analysis of Concrete Pavement Systems, with Ernest J. Barenberg, TE5:Sept 80:493:15671

Tabba, Myassar M.
Dsc, ST10:Oct 80:2130:15722, of "Natural Frequency of Curved Box Girder Bridges", ST12:Dec 79:2591:15064

Tadros, Maher K.
See Lyle K. Moulton, Preprint No.80-567, Oct 80, 18pp.

Taft, Edward P., III
See Yusuf G. Mussalli, HY11:Nov 80:1885:15798

Tai, D. Y.
See Ronald E. Rathbun, EE2:Apr 78:215:13679

Tai, Kon Chin
Dsc, HY1:Jan 79:117:14270, of "Suite of Mathematical Flood Plain Models", HY3:Mar 78: 361:13604
Dsc, EI2:Apr 79:126:14469, of "Interdisciplinary Research and Environmental Management", EI3: July 78:193:13860

Takahashi, Tamotsu
Debris Flow on Prismatic Open Channel, HY3:Mar 80:381:15245
TR:145:602

Takara, Howard
See Walter Kudlick, MGC:July 80:332

Takase, Hiromoto
See Kiyoshi Muto, EM81:Jan 81:917

Takemiya, Hirokazu
Dsc, with Yoshikazu Yamada, EM2:Apr 79:351: 14470, of "Impedance Functions of Piles in Layered Media", EM3:June 78:643:13847

Tal, S.
Flow Regime in Helical Long-Path Emitters, with Benjamin Zur, IR1:Mar 80:27:15291
TR:145:657

Talaboc, C. P.
See Chu-Kia Wang, Preprint No.80-509, Oct 80, 14pp.

Talhami, Ayoub
Temporary Detention Cuts Storm Flow Peaks, CE: Dec 80:72

Tall, Lambert
See David A. Ross, ST1:Jan 80:265:15122

Tallon, James T.
See Richard G. Luthy, EE3:June 80:609:15459

Talukder, Sukomal K.
Dsc, HY7:July 80:1266:15512, of "Modeling in Design of Pumping Pits", HY9:Sept 79:1053:14812

Tam, A.
Dsc, TN: ST9:Sept 79:1862:14795, of "Ultimate Steel Stresses in Unbonded Prestressed Concrete", TN: ST7:July 78:1159:13868

Tamanini, F. J.
State-of-the-Art of Highway Safety Appurtenances, HW80:Mar 80:216

Tamberrino, Frank
See Antoine G. Hobeika, TE1:Jan 80:43:15143
See Antoine G. Hobeika, MGC:July 80:172

Tan, David Y.
Ground Control for Shallow Tunnels by Soil Grouting, with G. Wayne Clough, Preprint No.80-106, Apr 80, 23pp.
Ground Control for Shallow Tunnels by Soil Grouting, with G. Wayne Clough, GT9:Sept 80: 1037:15716

Tan, Kok-Heng
Highway Construction Impact on Water-Supply Lakes, with Dhandapani Thirumurthi, EE5:Oct 78: 997:14052
Dsc: Santosh R. Goswami, EE4:Aug 79:800: 14720
Clo: EE2:Apr 80:457:15296
TR:145:122

Tanacredi, John T.
See Herbert S. Cables, CZ80:Nov 80:213

Tanaka, Yasuo
Dsc, GT8:Aug 79:995:14722, of "Behavior of Rigid Piers in Layered Cohesive Soils", GT8:Aug 78: 1061:13969

Tanenbaum, Ronald J.
Dsc, GT5:May 80:585:15378, of "Geology and Geotechnical Engineering", GT3:Mar 79:339:14444

Tang, Chang Bin
See Ernst G. Frankel, PO80:May 80:193

Tang, D. T.
See C.-W. Lin, EM81:Jan 81:609

Tang, David T.
Shaking Table Earthquake Response of Steel Frame, with Ray W. Clough, ST1:Jan 79:221:14324
TR:145:159

Tang, Frederick L.W.
Mathematical Model for Evaluating Extra-Ordinary Tide in Coastal Zone During Typhoon, with Chuen Sheng Yang and Shing S.T. Schluchter, HYUS:June 80:215

Tang, Wilson H.
Bayesian Frequency Analysis, HY7:July 80:1203: 15532
Probabilistic Evaluation of Penetration Resistances, GT10:Oct 79:1173:14902
TR:145:537
See Achintya Haldar, GT2:Feb 79:145:14374
See Achintya Haldar, TN: GT7:July 79:899:14665

Tang, Yau K.
Drain Depth and Subirrigation in Layered Soils, with R. Wayne Skaggs, IR2:June 80:113:15457
TR:145:683

Tanimoto, Bennosuke
Forced Vibration of Beams by Eigenmatrix Method, with Kiyoshi Ishikawa and Shotaro Natsume, ST12: Dec 79:2725:15090
Errata: ST10:Oct 80:2132:15722
TR:145:517

Tansirikongkol, Visit
Approximate Modal Analysis of Bilinear MDF Systems, with David A. Pecknold, EM2:Apr 80: 361:15329
TR:145:619
Equivalent Linear SDF Response to Earthquakes, with David A. Pecknold, ST12:Dec 79:2529:15073
TR:145:504

Taoka, George T.
Damping Measurements Of Tall Structures, EM81: Jan 81:308

Tapp, John S.
Chemical Flocculation in Coal Mine Sediment Ponds, with Billy J. Barfield and Edward G. Foree, IRKB: July 80:615
See Billy J. Barfield, IRKB:July 80:628

Tappe, N. W.
Urban Development and Flood Hazards at Shepparton, ASDC:80:213

Tarpy, Thomas S., Jr.
Beam-to-Column End Plate Connections, Preprint No.80-179, Apr 80, 24pp.
Cyclic Response Of Steel-Stud Framed Wall Panels, EM81:Jan 81:631

Tart, Rupert G., Jr.
Blast Damage Criteria for a Massive Concrete Structure, with Lewis L. Oriard and John H. Plump, Preprint No.80-175, Apr 80, 15pp.

Tate, Gregory L.
See Udai P. Singh, EE1:Feb 79:3:14360

Tatum, Clyde B.
Coal Fired Reference Plants: Project Benefits, with D. J. Bracey, Preprint No.80-631, Oct 80, 17pp.
Construction Plant Requirements for Nuclear Sites, with J. A. Harris, Preprint No.80-629, Oct 80, 13pp.
Evaluating PCM Firm Potential and Performance, CO3:Sept 79:239:14802
TR:145:411
Managing Nuclear Construction-An Experience Survey, CO4:Dec 78:487:14233
Errata: CO2:June 80:225:15440
TR:145:185
A New Matrix Organization for a Contractor, Preprint No.80-683, Oct 80, 22pp.
Professional CM: The Architect-Engineer's Viewpoint, with George M. Gans and George T. Harper, CO2:June 80:141:15478
TR:145:652
Professional Development in Heavy Construction, EI3:July 80:203:15524
See Michael L. Jones, CO1:Mar 80:17:15236
See Russell J. Christesen, Preprint No.80-174, Apr 80, 29pp.
See Russell J. Christesen, CO4:Dec 80:535:15920

Tauxe, George W.
Multiple Objectives in Reservoir Operation, with Dean M. Mades and Robert R. Inman, WR1:Mar 80:225:15240
TR:145:370

Tavenas, Francois A.
See Serge Leroueil, GT6:June 79:759:14657

Tavino, Peter J., Jr.
Special Projects Strengthen CE Student Development, CE:May 79:86
TR:145:243

Tayebi, Amad E.
Mechanics of Stress Concentration and Failure Around Fastening Holes in Structural Plastics, with David V. Gorky, Preprint No.80-578, Oct 80, 13pp.

Tayfun, M. Aziz
Analysis of Combined Rainfall-Hurricane Surge Frequencies, with Jerry L. Machemehl, HYUS:June 80:15
Joint Occurrences in Coastal Flooding, WW2:May 79:107:14560
Dsc: James R. Houston, WW1:Feb 80:138:15163
Clo: WW4:Nov 80:493:15789
TR:145:325

Taylor, Anne
North Carolina Oil Refineries—Who Makes Decision?, CZ80:Nov 80:1045

Taylor, Craig E.
See Delbert B. Ward, C080:80:202

Taylor, Dan D.
See Arliss D. Ray, EFHYF:Mar 79:387

Taylor, Daniel
Physical-Economic Evaluation of Tillage Systems, with Douglas Young and Donald McCool, IRKB: July 80:985

Taylor, Glen
See William E. West, IRKA:July 80:431

Taylor, Harold L.
See Phillip A. Speer, Preprint No.80-149, Apr 80, 21pp.

Taylor, Henry T.
Monitoring a Building Designed to Settle, with Thomas D. Wosser, Preprint No.80-529, Oct 80, 16pp.

Taylor, M. E.U.
See J. C. Rutherford, EE6:Dec 80:1131:15939

Taylor, Michael A.
Tension and Tension-Shear Fractures in Cements and Concretes, FIC:Oct 80
See Kurt Berlin Gerstle, EM6:Dec 80:1383:15945

Taylor, Peter W.
Seismic Site Response of Nonlinear Soil Media, with Thomas J. Larkin, GT3:Mar 78:369:13597
Dsc: Wayne W.H. Chen, GT12:Dec 78:1541: 14194; William B. Joyner and Albert T.F. Chen, GT1:Jan 79:121:14269; Karl Rainer Massarsch and Vincent P. Drnevich, GT1:Jan 79:123: 14269
Clo: GT11:Nov 79:1371:14934
TR:145:85

Taylor, R. Bruce, III
Wave Runup on Variable Beach Profiles, with E. Ozsoy and Thomas J. Turco, WW2:May 80:169: 15424
TR:145:733
See Lawrence A. Burns, TC1:Apr 79:177:14540

Taylor, Richard S.
Landsat Imagery for Hydrologic Modeling?, with Robert P. Shubinski and T. S. George, AS80:Aug 80:44

Taylor, Robert S.
Coastal Flooding in Metropolitan New York: A Case Study, with Sue Ann Hanson and Stergios A. Dendrou, HYUS:June 80:316
See Stergios A. Dendrou, HYUS:June 80:23

Tchobanoglous, George
See George E. Wilson, EE3:June 79:583:14619
See Wendell H. Hovey, EE5:Oct 79:819:14880

Tebbutt, T. H. Y.
Dsc, EE6:Dec 80:1211:15864, of "Simulation Modeling of Primary Clarifiers", EE2:Apr 80:293: 15312

Teh-fu, Liu
Prediction of Extreme Wave Heights and Wind Velocities, with Ma Feng-shi, WW4:Nov 80:469: 15862

Teicholz, Eric
Geographic Information Systems: The ODYSSEY Project, SU1:Nov 80:119:15833

Teigen, Paul
See Frank A. Grant, EE80:July 80:640

Tekeli, Sahim
Physical Modeling of Bubble Screens, with W. Hall C. Maxwell, WW1:Feb 80:49:15176
TR:145:669

Temple, Murray C.
Fatigue Experiments on Composite Slab Floors, with George Abdel-Sayed, ST7:July 79:1435:14676
TR:145:342
See H. H. Hafez, ST2:Feb 79:359:14362
See Ibrahim A. Hathout, ST9:Sept 79:1805:14852

Teng, William L.
See Thomas L. Erb, AS80:Aug 80:15

Tennyson, E. L.
Dsc, UT79A:July 79:42, of "Urban Transportation: Outlook and Policy", UT79A:July 79:35

Ter-Martirosyan, Z. G.
See N. A. Tsytovich, SLS:June 80:866

Terstriep, Michael L.
Buildup, Strength, and Washoff of Urban Pollutants, with G. Michael Bender and Dennis J. Benoit, TC1:Aug 80:73:15620

Testa, Rene B.
Nonlinear Material Models for Fabric, with Norris Stubbs, CP80:June 80:195

Teubner, M.
See Shing S.T. Schluchter, HYUS:June 80:275

Teutsch, M.
See G. Ivanyi, ST1:Jan 80:361:15098

Thacker, William E.
See John C. Crittenden, EE80:July 80:274
See Michael C. Lee, EE80:July 80:387

Thackston, Edward L.
See Edward C. Davis, EE80:July 80:153

Thackwell, Henry L.
Dsc, EE5:Oct 79:1021:14864, of "Optimum Backwashing of Sand Filters", EE5:Oct 78:917:14078
Dsc, EE6:Dec 80:1212:15864, of "Hydraulic Design of Flow Distribution Channels", EE2:Apr 80:321:15317

Thames, John L.
See William O. Rasmussen, IRKB:July 80:781

Thandaveswara, B. S.
Developing Zone Characteristics in Aerated Flows, with Nagar S. Lakshmana Rao, HY3:Mar 78:385:13605
Dsc: Robert J. Keller, HY3:Mar 79:279:14402
Clo: HY11:Nov 79:1451:14934
TR:145:50

Thang, Nguyen D.
Dsc, HY7:July 79:917:14662, of "Pressure Fluctuations beneath Submerged Jump", HY9:Sept 78:1331:14039

Thanh, N. C.
See B. N. Lohani, EE4:Aug 79:713:14761

Thasanatorn, Chirasak
Torsional Stresses in Circularly Curved Bars, with Walter D. Pilkey, ST11:Nov 79:2327:14984
TR:145:471

Thatcher, M. Llewellyn
See Tavit O. Najarian, WW1:Feb 80:1:15172

Theiler, D.
See Harold J. Day, CE:Mar 80:78

Theilgaard, Esko
See Hans J. Larsen, ST7:July 79:1347:14679

Theis, Thomas L.
Environmental Considerations for Fly Ash Disposal, with Jerry J. Marley, EY1:Jan 79:47:14286
TR:145:46

Theocaris, Pericles S.
See Dimitrios E. Panayotounakos, EM5:Oct 79:839:14891

Theurer, Fred D.
See Victor Miguel Ponce, HY11:Nov 80:1945:15784

Thiel, Charles Conrad, Jr.
Lifelines, Seismic Hazards and Public Policy, C080:80:6

Thierauf, Georg
See Noel W. Murray, ST10:Oct 80:2128:15722

Thirumurthi, Dhandapani
Design Criteria for Aerobic Aerated Lagoons, EE1:Feb 79:135:14392
Dsc: Sorab J. Arceivala, EE1:Feb 80:250:15158
Clo: EE4:Aug 80:862:15582
TR:145:247
See Kok-Heng Tan, EE5:Oct 78:997:14052

Thiruvengadachari, Srinivasan
Airborne Hydraulic Surveys: Mission Planning, with Damal V. Rohini Kumar, SU1:Nov 80:35:15843
Surface Water Inventory through Satellite Sensing, with Pavuluri Subba Rao and Keshavamurthi Ramachandra Rao, WR2:July 80:493:15563

Thomaides, Spiro S.
See Jackson L. Durkee, ST1:Jan 77:225:12698

Thomann, Robert V.
Modeling of PCB Fate in the Hudson River System, with Paul C. Pacquin and James J. Fitzpatrick, EE80:July 80:130

Thomas, A. Rylands
Dsc, HY10:Oct 80:1697:15721, of "Estimating Average Velocity in Gravel-Bed Rivers", HY9:Sept 79:1103:14810

Thomas, Eugene B.
Deferred Maintenance — What, Why, How and So What?, Preprint No.80-087, Apr 80, 14pp.

Thomas, Frank H.
Dsc, CE:Sept 80:40, on U.S. Water Policy: Putting the Lid on the Pork Barrel, CE:Apr 80:53

Thomas, H. Randolph, Jr.
Concrete Production on Nuclear Power Plant Projects, with Jack H. Willenbrock and James L. Burati, Jr., CO3:Sept 80:327:15703
Concrete Slump in Nuclear Power Plant Construction, CO4:Dec 80:567:15881
Construction Contract Staffing Needs, with Jack H. Willenbrock and James L. Burati, Jr., CO2:June 80:101:15481
TR:145:674
Quality Control of Cadweld (Mechanical) Splices, CO3:Sept 79:201:14803
TR:145:423

State DOT Personnel Administration, with Jack H. Willenbrock and James L. Burati, Jr., TE3:May 80: 317:15418
TR:145:665
Union Challenges to Methods Improvement Programs, with Mason P. Holland, CO4:Dec 80: 455:15876
Utilization of Contract Administration Resources, with Jack H. Willenbrock and James L. Burati, Jr., CO2:June 80:117:15480
TR:145:674
Work Sampling Programs: Comparative Analysis, with Mason P. Holland, CO4:Dec 80:519:15879

Thomas, Howard P.
Dsc, GT9:Sept 78:1214:13978, of "Soil Restraint Against Horizontal Motion of Pipes", GT10:Oct 77:1119:13303

Thomas, Ian R.
See Paul Grundy, ST1:Jan 80:313:15108

Thomas, John P., Jr.
See Stephen L. Passman, EM4:Aug 80:773:15647

Thomas, Richard
See Daniel J. Hinrichs, EE80:July 80:355

Thomas, Richard F.
See Gregory E. Kamedulski, HYUS:June 80:303

Thomasen, S. E.
See Boris Bresler, Preprint No.80-596, Oct 80, 10pp.

Thompson, Anton G.
See Susan E. Hogg, IRKB:July 80:755

Thompson, Christopher David
Effects of Piles Driving Systems on Driveability and Capacity of Concrete Piles, with David Elliot Thompson, GTDF:80:420

Thompson, David E.
Case History: Concrete-Filled Steel Pipe Piles, with John W. Critchfield, GTDF:80:444

Thompson, David Elliot
See Christopher David Thompson, GTDF:80:420

Thompson, Edward F.
Shallow Water Surface Wave Elevation Distributions, TN: WW2:May 80:285:15385

Thompson, Kevin J.
Seismic Response of Partially Prestressed Concrete, with Robert Park, ST8:Aug 80:1755:15598

Thompson, Marshall R.
Resilient Properties of Subgrade Soils, with Quentin L. Robnett, TE1:Jan 79:71:14293
TR:145:96

Thompson, Melvin
Parity for Minorities in Engineering: Myth or Reality, EI2:Apr 79:65:14485
Dsc: Osita J. Udoh, EI1:Jan 80:68:15096; Oswald Rendon-Herrero, EI3:July 80:321:15510
TR:145:202

Thompson, Morris M.
Mapping America is Never-Ending Task for USGS, CE:Feb 79:77
TR:145:95
Surveying and Mapping Research 1978-1988: An Overview, SU1:Nov 79:43:14957
TR:145:730

Thompson, P. E.
Technical Aspects of Marine Terminal Simulation, with T. M. Davis, PO80:May 80:256

Thomsen, Anton G.
Spatial Simulation of Snow Processes, with W. David Striffler, IRKB:July 80:326

Thorley, A. R.D.
Transient Propagation in Slurries with Hold-Up, HY8:Aug 80:1353:15641

Thorne, Colin R.
Recording Unconfined Tension Tester, with N. Keith Tovey and Rick Bryant, TN: GT11:Nov 80:1269: 15790
Dsc, with N. Keith Tovey, IR4:Dec 79:436:15010, of "Generalized Stability Analysis of Channel Banks", IR4:Dec 78:343:14228
Dsc, with Carlos V. Alonso and James C. Bathurst, HY7:July 80:1269:15512, of "Hydraulic Geometry of Active Gravel Rivers", HY9:Sept 79:1185:14841
See James C. Bathurst, HY10:Oct 79:1277:14906

Thornton, Edward B.
Dsc, WW4:Nov 78:459:14122, of "The Wave Pump: Conversion of Wave Energy to Current Energy", WW4:Nov 77:449:13317

Thornton, John R.
Evaluation of Land Treatment of Wastewater in California, with James D. Goff, EE80:July 80:106

Thorson, Lewis D.
See Thomas G. Naymik, HYCO:Aug 80:407

Thro, M. E.
See G. Z. Forristall, Preprint No.80-536, Oct 80, 18pp.

Thron, Raymond W.
Transportation Air Quality Planning — The Twin Cities Approach, with David Braslau, CAAA:Nov 79:215

Thronton, Charles H.
Dsc, Award's listing, CE:Mar 80:30

Thurlimann, Bruno
See Bruno Zimmerli, ST3:Mar 79:481:14426

Tiagi, Shivaraj S.
See Hari Mohan, HY7:July 77:753:13091

Tichenor, Bruce A.
See Mieczyslaw Gadkowski, EY1:Apr 80:1:15326

Tien, Chi
See Graham F. Andrews, EE6:Dec 77:1057:13418

Tien, Yei L.
Local Buckling of Beams under Stress Gradient, with Shien T. Wang, ST8:Aug 79:1571:14774
TR:145:371

Tiffany, Joseph B.
Ten Elevated to ASCE Honorary Membership, CE: Oct 80:142

Till, William T.
Plotter Applications in Highway Design, TC1:Apr 79: 239:14539
TR:145:291

Tilson, Edward P.
Dsc, WR2:Sept 79:432:14797, of "Land Data Management System for Resource Planning", WR2: Nov 77:177:13323

Ting, Edward C.
See Wai F. Chen, EM1:Feb 80:1:15177
See S. S. Hsieh, FIC:Oct 80:50

Ting, Raymond M.L.
Interactive Strength of Two Structural Parameters, ST2:Feb 80:463:15197
TR:145:595
Dsc, ST3:Mar 79:691:14404, of "Local Effects of Tornado-Generated Missiles", ST5:May 78:809:13775
Dsc, ST6:June 79:1219:14602, of "Load and Resistance Factor Design for Steel", ST9:Sept 78:1337:14008
Dsc, ST6:June 79:1220:14602, of "LRFD Criteria for Plate Girders", ST9:Sept 78:1389:14012
Dsc, ST6:June 79:1222:14602, of "LRFD Criteria for Steel Beam-Columns", ST9:Sept 78:1371:14016

Tirey, George B.
See Ralph H. Cross, PO80:May 80:429

Tischler, Paul S.
Determining Future Needs through Fiscal Analysis, SU80:June 80:78

Tobiasson, Wayne
Roofs in Cold Regions, Preprint No.80-172, Apr 80, 21pp.

Todd, David M.
Strength of Composite Beams with Web Openings, with Peter B. Cooper, ST2:Feb 80:431:15179
TR:145:579

Tofflemire, T. James
See Thomas T. Shen, EE1:Feb 80:211:15213

Tolle, James M.
Modern Engineering Saves Troubled Dam, with Peter Simard and Lynn A. Brown, CE:June 79:78
TR:145:285

Toma, Shouji
Analysis of Fabricated Tubular Columns, with Wai F. Chen, ST11:Nov 79:2343:14994
Errata: ST11:Nov 80:2357:15785
TR:145:477

Tomasello, Richard S.
See Frederick W. Morris, IV, Preprint No.80-649, Oct 80, 10pp.

Tomasetti, Richard L.
See Daniel A. Cuoco, Preprint No.80-144, Apr 80, 16pp.

Tomei, William J.
Environmental Effects of PG&E's Helms Project, Preprint No.80-133, Apr 80, 23pp.

Tomlinson, John H.
See Chandramouli Nalluri, HY7:July 78:983:13889

Tondelli, Juan B.
Dsc, Uncle Sam Helps Lose Market, CE:Apr 80:30

Tonias, Elias C.
Computerized Construction Quantity Record Keeping, TC2:Dec 79:291:15074
TR:145:500

Torno, Harry C.
Urban Runoff Management: Future Modeling, TC1:Aug 80:165:15626

Toto, James V.
See Dunstan D. S. Chen, GTDF:80:64

Tovey, N. Keith
See Colin R. Thorne, IR4:Dec 79:436:15010
See Colin R. Thorne, TN: GT11:Nov 80:1269:15790

Townsend, Ronald D.
See Mamdouh Nouh, HY10:Oct 79:1233:14898

Townson, John M.
Optimum Spillway Breadth for Gravity Dams, HY3:Mar 80:409:15254
TR:145:611

Toy, Douglas
See William W-G. Yeh, WR2:July 80:521:15573

Trahair, Nicholas S.
See Sritawat Kitipornchai, ST5:May 80:941:15406
See Gregory J. Hancock, ST7:July 80:1557:15539

Traill-Nash, Rupert W.
See Radhey K. Gupta, EM4:Aug 80:641:15615

Traina, Leonard A.
See Kurt Berlin Gerstle, EM6:Dec 80:1383:15945

Traver, Richard P.
Urban Stormwater/Combined Sewage Management and Pollution Abatement Alternatives, Preprint No.80-614, Oct 80, 14pp.

Travers, Warren
Facelifting City Streets, CE:Aug 79:79
TR:145:363

Travis, William
Coastal Program Evaluation From a State Perspective or Can an Amoeba Find True Happiness Under a Microscope?, CZ80:Nov 80:451

Treadwell, Donald D.
Geotechnical Aspects of Rubble-Mound Coastal Structures, with Albert P. Ridley and Orville T. Magoon, PO80:May 80:801
See Noel J. Williams, CZ80:Nov 80:703

Tregear, John Russell
Location of Cross-Drainage Structures on Channels, ASDC:80:137

Trenkle, Charles J.
Failure of Riveted and Forge-Welded Penstock, EY1:Jan 79:93:14283
TR:145:26

Trevitt, Gavin
Dsc, CE:Jan 80:30, on What Has the U.S. Gotten Out of the Space Program?, CE:July 79:71

Treweek, Gordon P.
Treatment of Wastewater from Refuse-to-Energy Systems, Preprint No.80-025, Apr 80, 28pp.
See Brian L. Ramaley, EE80:July 80:207

Trewhella, W.
Salinity Assessment at Kerang, ASDC:80:206

Triandafilidis, George E.
See Cornelius J. Higgins, EM81:Jan 81:126

Triay, Roland, Jr.
Awards for 1980 to be given this Month: Bechtel Award, CE:Oct 80:152

Trifunac, Mihailo D.
See Vincent W. Lee, EM4:Aug 79:643:14749
See Stuart D. Werner, ST12:Dec 79:2547:15059
See Marijan Dravinski, EM4:Aug 80:609:15610

Trimmer, Walter L.
See C. Dean Yonts, IRKA:July 80:429

Tringale, Philip T.
See John T. Christian, GT7:July 78:907:13904

Triplett, Glenn R.
See John L. Grace, Jr., Preprint No.80-641, Oct 80, 10pp.

Troendle, Charles A.
Hydrological Impacts of Silvicultural Activities, IR1: Mar 79:57:14437
Dsc: Richard H. Hawkins, IR2:June 80:157:15445
Clo: IR4:Dec 80:373:15867
TR:145:193

Tromble, John M.
Range Treatment Effects on Infiltration Rates, IRKB: July 80:802

Trompeter, Ken M.
See Madan L. Arora, EE80:July 80:100

Troncoso, Jorge H.
Dsc, GT1:Jan 79:118:14269, of "Cross-Hole and Down-Hole V_s by Mechanical Impulse", GT12:Dec 77:1381:13397

Troxell, David E.
See Ioannis V. Constatopoulos, GT11:Nov 80:1284: 15783

Troy, Richard G.
Steel Plate Shear Walls Resist Lateral Load, Cut Costs, with Ralph M. Richard, CE:Feb 79:53
Dsc: William J. Haley, CE:Aug 79:28
TR:145:62

True, Newton F.
The Attributes of Computer Relative to Cost Engineering, Preprint No.80-537, Oct 80, 14pp.

Trujillo, David M.
See Anestis P. Papadopoulos, EM2:Apr 80:307:15311

Truscott, Edward G.
Dsc, GT6:June 79:799:14599, of "Field Study of Tunnel Prereinforcement", GT8:Aug 78:1091:13948

Trussell, Albert R.
See Robert C. Siemak, CE:Feb 79:49

Trussell, R. Rhodes
Dsc, with Robert E. Selleck and Junn-Ling Chao, EE4:Aug 79:796:14720, of "Hydraulic Analysis of Model Treatment Units", EE4:Aug 78:785:13955
See Robert C. Siemak, CE:Feb 79:49
See Junn-Ling Chao, EE2:Apr 80:321:15317

Tsai, Chan-Feng
Seismic Response of Cohesive Marine Soils, with Ignatius Lam and Geoffrey R. Martin, GT9:Sept 80:997:15708
See Geoffrey R. Martin, GT9:Sept 80:981:15706

Tsai, Frank Y.
Dsc, HY10:Oct 79:1336:14868, of "Impact of Hydrologic Uncertainties on Flood Insurance", HY11:Nov 78:1473:14168

Tsai, Wan T.
Shear Centers, TN: EM5:Oct 79:893:14871
Dsc: Toma Leko, TN: EM4:Aug 80:855:15583
Errata: TN: EM6:Dec 80:1445:15865, TN: EM1: Feb 81:293:16002

Tsai, Yuh Hua
Temporal Moments for Longitudinal Dispersion, with Edward R. Holley, HY12:Dec 78:1617:14266
Dsc: Eric M. Valentine, HY11:Nov 79:1462: 14935; Philip C. Chatwin, HY11:Nov 79:1463: 14935; Richard A. Denton, HY11:Nov 79:1465: 14935; Shu T. Wang, Alan F. McMillan and Bih H. Chen, HY11:Nov 79:1467:14935
Clo: HY12:Dec 80:2063:15866
TR:145:6
See Edward R. Holley, HY7:July 80:1249:15512

Tsai, Yuh Hua
Awards for 1980 to be given this Month: Hilgard Prize, with Edward R. Holley, CE:Oct 80:150

Tsai, Yun Jui
Northeaster Model and Application to Coastal Flooding, with D. M. Crocker, T. J. Burda and Fang-Kuo Chou, HYUS:June 80:255

Tsangarides, Stelios N.
See Roger C. Harvey, GT5:May 80:577:15378

Tsao, Ching H.
See Bing C. Yen, Preprint No.80-163, Apr 80, 22pp.

Tschernitz, John L.
See John A. Youngquist, ST7:July 79:1405:14673

Tsen, C. H.
See Jerry R. Rogers, ASDC:80:92

Tsinker, Gregory P.
Floating Piers, with Eugene Vernigora, PO80:May 80:230

Tsirk, Are
Archeological Resources, Planning, and Construction, CO1:Mar 79:79:14439
TR:145:297

Tsivoglou, Ernest C.
Dsc, EE2:Apr 79:426:14468, of "Laboratory Studies of Gas Tracers for Reaeration", EE2:Apr 78:215: 13679

Tsotsos, St. S.
Dsc, with Th. N. Hatzigogos, GT8:Aug 79:991: 14722, of "Anisotropic Undrained Stress-Strain Behavior of Clays", GT8:Aug 78:1075:13942

Tsotsos, Stefanos S.
A Model for Slab Foundations on Expansive Soils, SLS:June 80:551

Tsubaki, Tatsuya
See Zdenek P. Bazant, ST2:Feb 79:327:14344
See Zdenek P. Bazant, ST9:Sept 80:1899:15705
See Zdenek P. Bazant, ST9:Sept 80:1947:15704
See Zdenek P. Bazant, ST11:Nov 80:2235:15811
See Zdenek P. Bazant, EM6:Dec 80:1151:15911

Tsui, Yuet
Wave-Induced Pore Pressures in a Submerged Sand Layer, with Steven C. Helfrich, Preprint No.80-570, Oct 80, 17pp.

Tsujimoto, Tetsuro
See Hiroji Nakagawa, HY1:Jan 80:221:15097
See Hiroji Nakagawa, HY12:Dec 80:2029:15936

Tsytovich, N. A.
Stressed-Strained State of Expansive Soil Massifs, with Z. G. Ter-Martirosyan and G. Ya. Karapetov, SLS:June 80:866

Tucchio, M. A.
Dynamic Stresses From Experimental and Modal Analysis, with John F. Carney, III and Howard I. Epstein, EM81:Jan 81:658

Tucker, L. Scott
Changing Needs in Urban Flood Forecasting, EFHYF:Mar 79:295
Practices and Problems in Flood Plain Management, EFHYF:Mar 79:333
See Ben Urbonas, TC1:Aug 80:53:15621

Tucker, Richard L.
See John D. Borcherding, Preprint No.80675, Oct 80

Tullis, James Paul
Modeling in Design of Pumping Pits, HY9:Sept 79: 1053:14812
Dsc: Sukomal K. Talukder, HY7:July 80:1266: 15512; K. J.W. Spurr, HY10:Oct 80:1702:15721
TR:145:428
Perforated Plates as Hydraulic Energy Dissipators, with James J. Powers, III, Paul F. Shiers and Whitney W. Hall, HYCO:Aug 80:62

Tulloch, Alice
Is Competitive Price Bidding for Professional Services Practical?, EI1:Jan 80:57:15120
TR:145:459

Tuma, Jan J.
Dsc, with Harry R. Lundgren, EM5:Oct 79:915: 14866, of "Exact Analysis of Class of Ring Segments", EM4:Aug 78:871:13924

Tumblod, Estello C.
See James Simpson, WW4:Nov 79:375:14995

Tung, Yeou-Koung
Risk Analysis for Hydraulic Design, with Larry W. Mays, HY5:May 80:893:15419
TR:145:685

Tuomi, Roger L.
Racking Strength of Light-Frame Nailed Walls, with William J. McCutcheon, ST7:July 78:1131:13876
Dsc: Harold J. Burgess, ST4:Apr 79:810:14473; R. Angus Robertson, ST9:Sept 80:1981:15665
TR:144:366
See Frank W. Muchmore, CE:Feb 80:54

Turco, Joseph F.
Designation of All Public Rights of Way to the Tidal Areas of Rhode Island, CZ80:Nov 80:1386

Turco, Thomas J.
See R. Bruce Taylor, III, WW2:May 80:169:15424

Turkstra, Carl J.
Load Combinations in Codified Structural Design, with Henrik O. Madsen, ST12:Dec 80:2527:15938

Turner, Emmet W.
Department of Energy Interests in Coastal Siting of Energy Facilities, CZ80:Nov 80:402

Turner, Hari K.
Optimal Design for Stability under Multiple Loads, with Raymond H. Plaut, EM6:Dec 80:1365:15946

Turner, Nathaniel P., Jr.
Memoir of, TR:145:740

Turner, William A.
Meteorological Impacts on Urban Sulfate Levels, with Constantine J. Gregory, EE2:Apr 80:311: 15348
TR:145:697

Turnquist, Mark A.
Zone Scheduling of Urban Bus Routes, TE1:Jan 79:1: 14288
TR:145:77

Turvey, Geoffrey John
First Yield of Edge Beam Stiffened Square Plates, EM1:Feb 79:81:14373
Errata: EM1:Feb 80:191:15159
TR:145:176

Turzynski, Berta
See Gideon Oron, IR2:June 79:175:14611

Tusa, Wayne K.
The Impact of EPA's Proposed Guidelines for the Landfill Disposal of Solid Wastes, Preprint No.80-590, Oct 80, 13pp.

Twisdale, Lawrence A., Jr.
Tornado Data Characterization and Windspeed Risk, ST10:Oct 78:1611:14096
Dsc: George D. Ratliff, Jr., ST8:Aug 79:1726: 14724
Clo: ST4:Apr 80:935:15302
TR:145:108

Twiss, Nancy Wakeman
Preserving Public Access: The Bay Experience, CZ80:Nov 80:1418

Tyndall, Gene R.
Dsc, UT79A:July 79:246, of "Problems and Options in Financing Urban Transportation", UT79A:July 79:220

Tzuang, Shen-Ho
See Loren D. Lutes, EM6:Dec 80:1111:15894

Uchrin, Christopher G.
Modeling Suspended Solids and Associated Bacteria in Natural Water Systems, with Walter J. Weber, Jr., EE80:July 80:160

Udoh, Osita J.
Dsc, EI1:Jan 80:68:15096, of "Parity for Minorities in Engineering: Myth or Reality", EI2:Apr 79:65: 14485

Udwadia, Firdaus E.
Time Variations of Structural Properties During Strong Ground Shaking, with Navin Jerath, EM1: Feb 80:111:15200
TR:145:540

Ueda, Yasuyo
See Sadataka Shiba, EE6:Dec 79:1113:15045

Ueno, Hiromichi
See Kiyoshi Muto, EM81:Jan 81:917

Uenoya, Minoru
See Richard G. Redwood, ST10:Oct 79:2053:14925

Uhl, R. A.
See Billy J. Barfield, IRKB:July 80:628

Uhler, Robert B.
See Herbert E. Hudson, Jr., EE4:Aug 79:745:14764

Ullidtz, Per
Pavement Analysis by Programmable Calculators, with Kenneth R. Peattie, TE5:Sept 80:581:15682

Ulrich, Edward J., Jr.
See Shailendra N. Endley, GTDF:80:101
See Richard P. Ray, GTDF:80:459

Umphres, Mark D.
See Robert C. Siemak, CE:Feb 79:49

Underhill, Richard E.
See Robert C. Dolecki, EE80:July 80:249

Underwood, John R.
Comparison of Cost Functions in Modal-Split Models, with Gerald R. Leake, TE6:Nov 77:763: 13343
Dsc: Edward A. Beimborn, TE6:Nov 78:874: 14120
Clo: TE5:Sept 79:591:14796
TR:145:13

Underwood, Robin T.
Planning Implications of Outer Ring Road, UP1:Nov 80:19:15828

Underwood, William C.
See Thomas D. Larson, UT79A:July 79:5

Updike, Dean P.
See Umur Yuceoglu, EM1:Feb 80:37:15189
See Umur Yuceoglu, Preprint No.80-656, Oct 80, 10pp.

Urbonas, Ben
Stormwater Quality—First Efforts in Denver, with L. Scott Tucker, TC1:Aug 80:53:15621

Urish, Daniel Wayne
Asymmetric Variation of Ghyben-Herzberg Lens, HY7:July 80:1149:15533

Utku, Senol
On Impact of Distributive Computing in Education, with Joseph Lestingi and Moktar Salama, Preprint No.80-061, Apr 80, 21pp.

Uzumeri, Suzru M.
See Shamim A. Sheikh, ST5:May 80:1079:15388

Vadnais, Kenneth G.
See Thomas R. Carroll, ASDC:80:1

Vaid, Yoginder P.
Static Shear and Liquefaction Potential, with W. D. Liam Finn, GT10:Oct 79:1233:14909
TR:145:555

Valdes, Rodolofo Felix
Mexican Pacific Coast Airport System, with Francisco J. Jauffred and Jesus Acosta Flores, MGC:July 80:378

Valentin, R. A.
See D. Krajcinovic, Preprint No.80-522, Oct 80, 13pp.

Valentine, Eric M.
Dispersion in Rough Rectangular Channels, with Ian R. Wood, HY12:Dec 79:1537:15088
TR:145:525
Experiments in Longitudinal Dispersion with Dead Zones, with Ian R. Wood, HY8:Aug 79:999:14790
Dsc: Charles W. Almquist and Edward R. Holley, HY7:July 80:1262:15512
TR:145:414
Dsc, HY11:Nov 79:1462:14935, of "Temporal Moments for Longitudinal Dispersion", HY12:Dec 78:1617:14266
Dsc, HY7:July 80:1257:15512, of "Hydraulic Resistance of Artificial Strip Roughness", HY6:June 79:675:14635

van Acker, Jan B.M.
See Date H. Keuning, HY5:May 79:589:14588

Van Cauwelaert, Frans
Correction of Bidding Errors: The Belgian Solution, with Ernst Heynig, CO1:Mar 79:13:14411
Dsc: Marvin Gates, CO4:Dec 79:406:15005
TR:145:242

Vandall, Paul E., Jr.
Dsc, WW4:Aug 78:352:13912, of "Ocean Wave Statistics for 1961 North Atlantic Storm", WW4: Nov 77:433:13320

Van De Pol, Ronald M.
See Reginald E. Merrill, IR2:June 79:137:14605

van der Beken, Andre
See Sheng T. Hsu, HY11:Nov 80:1783:15830

Vanderbilt, M. Daniel
Equivalent Frame Analysis for Lateral Loads, ST10: Oct 79:1981:14931
Dsc: Ziad M. Elias, ST7:July 80:1671:15513
TR:145:443

van der Merwe, D. H.
The Pretreatment of Clay Soils for Road Construction, with F. Hugo and A. P. Steyn, SLS: June 80:361
See D. R. Snethen, SLS:June 80:717

Van der Woude, Frank
Deformation of Arches: Elastic Buckling Behavior, with Brian F. Cousins, ST12:Dec 79:2677:15086
TR:145:511

Van Doren, Guy D.
See C. Richard Walter, EE80:July 80:488

Vandre, Bruce C.
The Regulation of Mine Waste Disposal, IRKB:July 80:898
Dsc, CO4:Dec 79:401:15005, of "What to Do If You Think A Pile Claim Is Coming", CO4:Dec 78:503: 14202

Van Epp, Timothy D.
See Dawn D. Roderique, EE80:July 80:320

Van Gemert, D.
See F. Mortelmans, ST5:May 79:967:14551

Van Haveren, Bruce
Hydrologic Considerations in Federal Coal Leasing, IRKB:July 80:655
See Mike Whittington, IRKA:July 80:36

Van Houtte, James J.
Practical Design of Pipeline Control & Flexibility, C080:80:121

van Leer, Bram
Dsc, HY11:Nov 78:1559:14117, of "Accurate Calculation of Transport in Two Dimensions", HY11:Nov 77:1259:13336

Vanoni, Vito A.
Ten are Elevated to ASCE Honorary Membership, CE:Oct 80:143

van Os, Adriaan G.
See Gerrit Abraham, HY1:Jan 79:116:14270

van Rijn, Leo C.
See Peter M.J. Kerssens, HY5:May 79:461:14574

Van Ryzin, Gary
Roof Design: Avoid Ponding by Sloping to Drain, CE:Jan 80:77
TR:145:558

van Selst, Aegide M.
See Peter Graham Buckland, ST5:May 79:859:14557

Van Weele, Brian
Dsc, CE:Aug 80:37, on The New Energy Boom: Hydropower, CE:Apr 80:66

Vanzler, Frank E.
See A. Fattah Chalabi, Preprint No.80-513, Oct 80, 13pp.

van Zutphen, Anthony
Top-to-Bottom Construction in High-Rise Buildings, CE:Mar 79:65
TR:145:139

van Zyl, Stefanus F.
Analysis of Curved, Prestressed, Segmental Bridges, with Alexander C. Scordelis, ST11:Nov 79:2399: 14986
TR:145:472

Varadhi, Satya Narayan
Foundation Response to Soil Transmitted Loads, with Surendra K. Saxena, GT10:Oct 80:1121:15763

Varsano, Joseph
Dsc, ST1:Jan 79:266:14271, of "Approaches for Design against Progressive Collapse", ST3:Mar 78: 413:13610

Varshney, Dharam V.
See Hari Mohan, HY7:July 77:753:13091

Vassiliou, Pantelis
See Richard G. Luthy, EE1:Feb 80:81:15171

Vaux, H. J.
See W. A. Jury, Jr., IRKA:July 80:188

Vaux, H. J., Jr.
See S. A. Hatchett, IR3:Sept 80:259:15664

Velivasakis, Emmanuel
See Daniel A. Cuoco, Preprint No.80-144, Apr 80, 16pp.

Venezian, Giulio
Dsc, TN: WW4:Nov 80:501:15789, of "Direct Solution of Wave Dispersion Equation", TN: WW4: Nov 79:457:14944

Veneziano, Daniele
First-Crossing of Second-Moment Variables, EM5: Oct 79:747:14904
TR:145:422
New Index of Reliability, EM2:Apr 79:277:14515
TR:145:240
Reliability Analysis of Slopes: Frequency-Domain Method, with Jaime Antoniano, GT2:Feb 79:165: 14378
TR:145:274
See Mircea Grigoriu, EM4:Aug 79:585:14736

Venugopal, Kuppuswamy
Flood Analysis by Smemax Tranformation - A Review, TN: HY2:Feb 80:338:15165

Verhoff, Frank H.
Optimal Design of High Rate Sedimentation Devices, EE2:Apr 79:199:14512
Dsc: Sadataka Shiba, EE2:Apr 80:462:15296
Clo: EE6:Dec 80:1205:15864
TR:145:254
River Nutrient and Chemical Transport Estimation, with Stephen M. Yaksich and David A. Melfi, EE3:June 80:591:15456
TR:145:712

Verley, Richard L.P.
Dsc, ST5:May 80:1229:15380, of "Size Effect in Damping Caused by Water Submersion", ST5:May 79:847:14581

Verma, M. S.
See Nandana Vittal, HY10:Oct 80:1705:15721

Vernigora, Eugene
See Gregory P. Tsinker, PO80:May 80:230

Verschuren, Jacobus P.
See D. S. Chanasyk, IRKB:July 80:452

Verwey, Adrianus
Dsc, with Odilie Daubert, HY7:July 78:1116:13856, of "Accurate Calculation of Transport in Two Dimensions", HY11:Nov 77:1259:13336

Veysey, Victor V.
Can Engineers Save the Republic?, EI2:Apr 80:123: 15344
TR:145:551

Vicens, Guillermo J.
Design of Length of Water Resource Simulation Experiments, with John C. Schaake,, Jr., WR1:Mar 80:333:15280
TR:145:571

Vickrey, William S.
Efficiency Through Pricing in Urban Transportation, UT79A:July 79:120
Dsc: Anthony R. Kane, UT79A:July 79:138; George W. Hilton, UT79A:July 79:141

Victor, Fouad H.
Assemblage Method for Folded-Plate Analysis, with Fernand Ellyin, ST7:July 79:1509:14689
TR:145:357

Viessman, Warren, Jr.
Emerging Federal Water Supply Policies, Preprint No.80-532, Oct 80, 9pp.

Viest, Ivan M.
Ten are Elevated to ASCE Honorary Membership, CE:Oct 80:143
See William Charles Hansell, ST9:Sept 78:1409: 14005

Viggosson, Gisli
See Per Moller Bruun, WW4:Nov 77:449:13317

Vijayvergiya, Vasant N.
Effect of Soil Set Up on Pile Driveability in Chalk, with Aylmer P. Cheng and Henricus J. Kolk, GT10:Oct 77:1069:13293
Dsc: Henry R. Naughton, GT9:Sept 78:1211: 13978
Clo: GT9:Sept 79:1125:14792
TR:145:26

Vilnay, Oren
Dsc, EM2:Apr 79:350:14470, of "Active Tendon Control of Structures", EM3:June 78:551:13836

Vinckier, Andre G.
Dsc, ST5:May 79:969:14551, of "Stresses in Floating Roofs", ST5:May 78:735:13740

Vines, Wendell R.
Stress Measurements for Offshore Piles Driving, with Jack J. Amar, GTDF:80:475

Vinogradov, A. M.
Buckling of Spherical Viscoelastic Shells, with Peter G. Glockner, ST1:Jan 80:59:15116

TR:145:548

Vinogradov, O. G.
Dynamic Response (Finite Element Approach) of Cable Reinforced Inflatables, with David J. Malcolm, Preprint No.80-101, Apr 80, 15pp.
Dynamic Response Of Inflatable Cable-Reinforced Structures Under WIND LOADING, with David J. Malcolm and Peter G. Glockner, EM81:Jan 81:338

Vinson, Ted S.
Parameter Effects on Dynamic Properties of Frozen Soils, GT10:Oct 78:1289:14109
Dsc: Yong S. Chae, GT7:July 79:907:14661
Clo: GT3:Mar 80:339:15224
TR:145:203
See Ronald L. Czajkowski, GT9:Sept 80:963:15702

Viraraghavan, Thiruvenkatachari
Septic Tank Systems — Effects on Evironmental Quality, Preprint No.80-601, Oct 80, 12pp.
Dsc, EI1:Jan 80:70:15096, of "Professional Alternative to Collective Bargaining", EI2:Apr 79:77:14514
Dsc, EI2:Apr 80:163:15297, of "Is Continuing Education Worth the Effort?", EI2:Apr 79:107:14506
Dsc, EE3:June 80:673:15441, of "Managed On-Site Disposal in Unsewered Areas", EE3:June 79:583:14619
Dsc, EI3:July 80:323:15510, of "When in Rome Do as the Romans: Should the Professional and Business Ethics of American Engineers be a Function of the Country in which They Practice", EI3:July 79:167:14719
Dsc, EE4:Aug 80:867:15582, of "Final Clarifiers for Activated Sludge Plants", EE5:Oct 79:803:14930
Dsc, EI4:Oct 80:427:15718, of "Consulting Engineering Graduate Education", EI4:Oct 79:197:14889
See Graham J. Brown, TN: EE4:Aug 80:837:15588

Virk, Som P.
The Effects of Static Loads on Dynamic Response, CP80:June 80:132
Savings in Multiple Analysis by Using Finite Elements, CP80:June 80:186

Visalvanich, K.
Evaluation of Fracture Techniques in Cementitious Composites, with Antoine E. Naaman, FIC:Oct 80:65

Vitale, Philip
Sand Bed Friction Factors for Oscillatory Flows, WW3:Aug 79:229:14754
Dsc: Ivar G. Jonsson, WW3:Aug 80:423:15587; Karl Lofquist, WW3:Aug 80:425:15587; Peter Nielsen, WW4:Nov 80:498:15789
TR:145:425

Vittal, Nandana
Dsc, with M. S. Verma and Kittur G. Ranga Raju, HY10:Oct 80:1705:15721, of "Open Channel Flow with Varying Bed Roughness", HY9:Sept 79:1167:14839

Vivarelli, Pier Luigi
See Riccardo Sala, HY5:May 80:629:15402

Vivatrat, Vitoon
See James K. Mitchell, GT3:Mar 77:227:12814
See Mohsen M. Baligh, GT11:Nov 78:1355:14141
See Mohsen M. Baligh, GT4:Apr 80:447:15377

Voelkel, Karl G.
Sensitivity Analyses of Wastewater Treatment Plant Design Parameters, with Lawrence B. Polkowski, EE80:July 80:307

Vollmer, Arnold H.
Transportation for Urban Recreation, Preprint No.80-634, Oct 80, 5pp.

Vonderohe, Alan P.
See Narendra K. Saxena, SU1:Nov 78:63:14129

Vonnahme, Donald R.
See Frank L. Kudrna, WR1:Mar 80:43:15232

Voorhees, Michael L.
See Harry G. Wenzel, Jr., HY11:Nov 80:1795:15840

Vora, Mahendrakumar R.
Anisotropic Skew Plates and Grids, with Hudson Matlock, EM2:Apr 79:237:14511
TR:145:234
See Alan F. Daniell, PO80:May 80:282

Vora, S. B.
Structural Computer Office Practice, with Lin Y. Huang, CP80:June 80:604

Wadden, Richard A.
Characterization of Ozone Episodes in Urban Air, with Edgar D. Ross and Jimmie E. Quon, EE4:Aug 79:621:14733
TR:145:402

Wade, Bruce G.
Approximate Launch Analysis of Offshore Platforms, with Lee King-Hin, Preprint No.80-588, Oct 80, 10pp.

Wade, James
See Richard J. McAniff, WR2:July 80:401:15548

Waggy, W. Henry
See Donald L. Hey, WR1:Mar 79:121:14440

Wahab, Abubakr A.
Folded Plates with Intermediate Flexible Supports, with Adam M. Mousa, ST10:Oct 79:2091:14905
TR:145:419
See Abubakr A. Bazant, EM5:Oct 79:873:14933

Wahls, Harvey E.
Tolerable Settlement of Buildings, Preprint No.80-551, Oct 80, 14pp.

Waite, Clair A.
Offshore Vertical and Lateral Pile Load Tests on Composite Friction Piles, Pend Oreille Lake, Idaho, with Steven A. Narkiewicz and Walter V. Jones, Preprint No.80-127, Apr 80, 21pp.

Waite, Thomas D.
Feasibility of Wastewater Treatment with Ferrate, EE6:Dec 79:1023:15030
TR:145:539

Wake, Akio
Modeling Ice Regime of Lake Erie, with Ralph R. Rumer, Jr., HY7:July 79:827:14694
TR:145:373

Walesh, Stuart G.
Flood Insurance Program: Regional Agency's Perspective, WR2:Sept 79:243:14826
TR:145:164
Land Data Management System for Resource Planning, with Lois A. Kawatski and Paul J. Clavette, WR2:Nov 77:177:13323

Dsc: Edward P. Tilson, WR2:Sept 79:432:14797
Errata: WR1:Nov 78:291:14121
TR:145:29

Walford, G. Bryan
Tests on Nailed and Glued Layered Timber Cylindrical Shells, with Peter J. Moss, ST1:Jan 80: 247:15152
TR:145:575

Walker, Alastair C.
See Karim Elsharkawi, ST8:Aug 80:1695:15594

Walker, J. M.
See L. J. Sikora, EE2:Apr 80:351:15310

Walker, Robert E.
See Lyman S. Willardson, IR4:Dec 79:367:15028

Walker, Wynn R.
Developing Optimal River Basin Solutions for Alleviating Environmental Impacts from Irrigated Agriculture, with Gaylord V. Skogerboe, IRKA:July 80:228
Explicit Sprinkler Irrigation Uniformity: Efficiency Model, IR2:June 79:129:14608
TR:145:305
Optimization of Salinity Control in Grand Valley, with Gaylord V. Skogerboe and Robert G. Evans, IR1:Mar 79:15:14455
TR:145:211
Reducing Salt Pickup from Irrigated Lands, with Gaylord V. Skogerboe and Robert G. Evans, IR1: Mar 79:1:14454
TR:145:211
See Marshall Flug, WR2:Sept 79:305:14844
See Gaylord V. Skogerboe, WR2:Sept 79:329:14849
See Wiboon Boonyatharokul, IR4:Dec 79:391:15018
See Gaylord V. Skogerboe, IRKA:July 80:298

Wall, Richard H.
Tips for Training Workers in the Development World, CE:Dec 80:65

Wallace, Roger B.
Bouyant Jet Behavior Near the Maximum Rise, with Steven J. Wright, HYCO:Aug 80:356
See Steven J. Wright, HY11:Nov 79:1393:15003

Walley, William J.
See David J. Just, ST9:Sept 79:1789:14845

Wallis, Ian G.
Comparison of Tangibles and Intangibles, EE4:Aug 78:625:13959
Dsc: Pascal de Caprariis, EE4:Aug 79:798:14720
Clo: EE2:Apr 80:457:15296
TR:145:109

Walraven, Joost C.
Fundamental Analysis of Aggregate Interlock, Preprint No.80-011, Apr 80, 29pp.
See Hans W. Reinhardt, Preprint No.80-012, Apr 80, 20pp.

Walsh, Douglas S.
Ozone Inactivation of Floc Associated Viruses and Bacteria, with Charles E. Buck and Otis J. Sproul, EE4:Aug 80:711:15601

Walsh, James J.
Municipal/Industrial Waste Landfill Simulators, with Riley N. Kinman and Nancy S. Neely, EE80:July 80:62

Walsh, Joseph B.
Static Deformation of Rock, EM5:Oct 80:1005:15761

Walsh, Mervyn B.
See Donald R. Morris-Jones, AS80:Aug 80:182

Walski, Thomas M.
MAPS - Developing a Water Resources Screening Tool, CP80:June 80:341
Dsc, WR2:July 80:569:15515, of "Water Supply Regionalization: A Critical Evaluation", WR2:Sept 79:279:14842

Walston, William H.
See Walter L. Warnick, EM6:Dec 80:1307:15924

Walter, C. Richard
Aerosols in the Treatment Plant Environment, with Guy D. Van Doren, EE80:July 80:488

Walters, Donald B.
Design of Fan Foundations, with Jeffrey B. Kirby, Preprint No.80-625, Oct 80, 14pp.

Walters, Ronald L.
A Comprehensive Application of A Geo-Based Information System on a Region in Colorado, SU80:June 80:71

Walton, C. Michael
Economic Effect of Heavy Trucks on Highways, with Dock Burke, MGC:July 80:105
Evaluation of Deepwater Oil Terminals: A Case Study, MGC:July 80:85
The Role of Deepwater Ports: The Texas Experience, PO80:May 80:73
Dsc, UT79A:July 79:44, of "Urban Transportation: Outlook and Policy", UT79A:July 79:35
Dsc, UT79A:July 79:58, of "Existing Revenue Sources", UT79A:July 79:45
Dsc, UT79A:July 79:107, of "Distribution of Urban Transportation Costs", UT79A:July 79:81
Dsc, UT79A:July 79:119, of "Co-ordinated Use of Facilities", UT79A:July 79:109
Dsc, UT79A:July 79:172, of "Pricing and Revenue Yield", UT79A:July 79:144
Dsc, UT79A:July 79:199, of "Improved Local Resource Allocation", UT79A:July 79:179
Dsc, UT79A:July 79:219, of "Improved Resource Allocation, State & Federal: How Federal Transit Aid Influences Local Decisions", UT79A:July 79: 200
Dsc, UT79A:July 79:255, of "Problems and Options in Financing Urban Transportation", UT79A:July 79:220
Dsc, UT79A:July 79:284, of "Future Prospects in Transportation Finance", UT79A:July 79:256

Walton, Raymond
Calibrating the Chesapeake Bay Circulation Model?, with M. A. Granat and Robert P. Shubinski, HYCO:Aug 80:387
Friction Factors in Storm Surges over Inland Areas, with Bent A. Christensen, WW2:May 80:261:15439
TR:145:735
A Solute Transport Model for Tidal Canal Networks, with Bent A. Christensen, HYUS:June 80:142
See Robert M. Snyder, HYUS:June 80:119
See Bent A. Christensen, HYUS:June 80:265

Walton, Todd L., Jr.
Littoral Sand Transport from Longshore Currents, TN: WW4:Nov 80:483:15793
See Francis F. Escoffier, WW4:Nov 79:355:14964

Wambach, William T., Jr.
Proposed Right-of-Way Policy, SU1:Nov 79:35:14956
Dsc: Gunther Greulich, SU1:Nov 80:182:15786
Clo: SU1:Nov 80:183:15786
TR:145:701

Wan, W. C.
High Capacity Pile Foundations for China Steel Corporation Integrated Steel Mill, with Paul Engeling and Edith A. Hacker, GTDF:80:495

Wandmacher, Cornelius
A Modernized Metric System — SI — The American Choice, Preprint No.80-591, Oct 80, 14pp.

Wang, Chu-Kia
Second-Order Elastic-Plastic Analysis of Steel Frames, with C. P. Talaboc, Preprint No.80-509, Oct 80, 14pp.
Stability Analysis of Cable-Stayed Rigid Frames, with Jon K. Stiller, ST11:Nov 79:2383:15002
TR:145:479

Wang, Flora C.
Energy Analysis for Environmental Impact Assessment, with Howard T. Odum and Patrick C. Kangas, WR2:July 80:451:15558
Energy Criteria for Water Use, with Howard T. Odum and Robert Costanza, WR1:Mar 80:185:15266
TR:145:475
See Allen R. Overman, EE2:Apr 80:267:15321

Wang, Hua
Aerodynamics in Air Pollution Modeling, with Henry Liu, TE2:Mar 80:171:15263
TR:145:588

Wang, James Ting-Shun
Exact Analysis of Class of Ring Segments, EM4:Aug 78:871:13924
Dsc: Jan J. Tuma and Harry R. Lundgren, EM5: Oct 79:915:14866
Clo: EM4:Aug 80:850:15583
TR:145:71

Wang, John D.
Finite Element Model of 2-D Stratified Flow, HY12: Dec 79:1473:15049
TR:145:510
See Armando I. Perez, HYUS:June 80:347

Wang, Leon Ru-Liang
Seismic Design Criteria for Underground Pipelines, with Raymond Chong-Yu Fung, TE6:Nov 80:747:15848
Dsc, GT12:Dec 78:1532.14194, of "Soil Restraint Against Horizontal Motion of Pipes", GT10:Oct 77:1119:13303

Wang, Miam Chang
Yielding Load of Anchor in Sand, with Arthur H. Wu, Preprint No.80-618, Oct 80, 14pp.

Wang, Pao-Tsan
High-Strength Concrete in Ultimate Strength Design, with Surendra P. Shah and Antoine E. Naaman, ST11:Nov 78:1761:14139
Dsc: K. S. Rajagopalan, ST10:Oct 79:2137:14869
Clo: ST8:Aug 80:1822:15586
TR:145:117

Wang, S. S.
Nonlinear Deformation of Fabric/Foam Composites, with Alvin Smith, Preprint No.80-572, Oct 80, 18pp.

Wang, Shien T.
See Yei L. Tien, ST8:Aug 79:1571:14774

Wang, Shu T.
Dsc, with Alan F. McMillan and Bih H. Chen, HY11:Nov 79:1467:14935, of "Temporal Moments for Longitudinal Dispersion", HY12:Dec 78:1617:14266

Wanielista, Martin P.
See Harvey H. Harper, Preprint No.80-599, Oct 80, 11pp.
See Timothy M. Curran, Preprint No.80-603, Oct 80, 14pp.

Ward, Delbert B.
Formulating Utah's Seismic Policy for Lifelines, with Craig E. Taylor, C080:80:202

Ward, E. G.
See G. Z. Forristall, Preprint No.80-536, Oct 80, 18pp.

Ward, George H., Jr.
Accuracy of Harbeck Diagram for Forced Evaporation, EY1:Apr 80:23:15309
TR:145:460

Ward, Joseph S.
President's Inaugural Speech: October 24, 1979, EI3: July 80:165:15549

Ward, Peter R.B.
Laboratory Measurement of Sediment by Turbidity, with Remigio Chikwanha, HY6:June 80:1041:15470
TR:145:708

Wardwell, Richard E.
See Wayne A. Charlie, EE5:Oct 79:947:14884

Warner, James
Dsc, GT5:May 80:580:15378, of "Silicate-Stabilized Sands", GT1:Jan 79:65:14335

Warner, John A.
See Iraj Zandi, TE4:July 79:411:14703

Warner, Larkin
The Role of Institutions in the Achievement of Water Resource Project-Related Development, Preprint No.80-653, Oct 80, 12pp.

Warner, Richard C.
Erosion Modeling Approaches for Construction Sites, with Benjamin C. Dysart, III, IRKB:July 80:465

Warner, Robert F.
See R. Ian Gilbert, ST12:Dec 78:1885:14211

Warnick, Calvin C.
Small-Scale Hydro Plants in Irrigation Systems, IRKA:July 80:216

Warnick, Walter L.
Secondary Deflections and Lateral Stability of Beams, with William H. Walston, EM6:Dec 80: 1307:15924

Warren, Robert P.
See John Collura, TE6:Nov 79:683:14969

Warwar, John F.
Port Capacity Methodology — Simplified, PO80:May 80:203

Wastiels, Jan
Dsc, EM1:Feb 80:192:15159, of "Constitutive Model for Short-Time Loading of Concrete", EM1:Feb 79: 127:14375

Watanabe, Masataka
See Gerhard H. Jirka, TN: HY6:June 80:1116:15449

Watkins, C. H.
See William R. Gordon, EFHYF:Mar 79:274

Watson, Chuck
Watershed Management: The California Experience, IRKB:July 80:1048

Watson, Ian
See Kenneth F. Rosanski, Preprint No.80-535, Oct 80, 14pp.

Watson, Jay F.
Ecological Characterizations—An Evaluation Tool, CZ80:Nov 80:509

Watson, Richard W.
See Antonis D. Koussis, IR1:Mar 80:1:15238

Watt, C. S.
Hydraulic Transients Following Valve Closure, with J. M. Hobbs and A. P. Boldy, HY10:Oct 80:1627: 15740

Watt, Richard S.
A Stochastic Model of the Lower Snake River, Preprint No.80-013, Apr 80, 24pp.

Watters, Gary Z.
See Jack Keller, Preprint No.80-091, Apr 80, 21pp.

Watts, Darrell G.
See James R. Gilley, IR4:Dec 77:445:13416

Watwood, Vernon B.
Mechanism Generation for Limit Analysis of Frames, ST1:Jan 79:1:14315
TR:145:153

Way, Nathan Emeran, Sr.
Memoir of, TR:145:764

Way, Robert R.
Honolulu Mass Transit — Past, Present, and Future, MGC:July 80:396
See Walter Kudlick, MGC:July 80:332

Weakly, Ward F.
Preservation of Historic Sites During Construction, CO3:Sept 80:351:15690

Weare, T. John
See George H. Lean, HY1:Jan 79:17:14312

Weatherby, David E.
See James R. Shields, GT9:Sept 78:1183:14035

Weaver, Graeme D.
Highway Design Criteria: Problems and Projections, with C. V. Wootan and Donald L. Woods, HW80: Mar 80:38

Weaver, Kenneth N.
See Randall T. Kerhin, CZ80:Nov 80:1289

Weaver, Leo
Dsc, CE:Dec 79:34, on Toxic Chemicals in New Jersey's Environment: Cancer Link?, CE:Sept 79:74

Weaver, R. Keith
See John E. Praskey, WR1:Mar 80:61:15275

Weaver, Ronald R.
See Morris Ojalvo, ST3:Mar 78:479:13634

Weaver, Timothy O.
Dynamic Response With Foundation Interaction, with Furman W. Barton and Richard T. Eppink, EM81:Jan 81:252

Weaver, William, Jr.
Constraints for Axial Strains in Frames, ST1:Jan 80: 199:15121
TR:145:551
See Raul Rosas e Silva, EM6:Dec 80:1445:15865

Weber, Eugene W.
Water Planning-Overview, WR1:Mar 79:3:14431
TR:145:99

Weber, Richard P.
Foundation Response Caused by Disturbance of Clay, GT5:May 78:583:13765
Dsc: Farrokh N. Screwvala, GT12:Dec 78:1545: 14194
Clo: GT11:Nov 79:1374:14934
TR:145:92

Weber, Walter J., Jr.
See John C. Crittenden, EE6:Dec 78:1175:14230
See Christopher G. Uchrin, EE80:July 80:160

Webster, William J.
See Daniel A. Driscoll, EE80:July 80:399

Wecharatana, Methi
Resistance to Crack Growth in Portland Cement Composites, with Surendra P. Shah, FIC:Oct 80:82

Weddell, George C.
Parrotts Ferry Bridge: Pioneer in Lightweight, Pumped Concrete, with Paul F. Kavanaugh, CE: June 80:83
TR:145:720

Wedler, Edward
Quantitative Chlorophyll Mapping Using Ultra-Narrow Band Airborne Photography (Abstract), AS80:Aug 80:53

Weeter, Dennis W.
See Michael E. Meadows, EE6:Dec 78:1119:14232
See Hugh T. Carson, EE80:July 80:508

Weggel, J. Richard
Surging in the Shark River Boat Basin, with Robert M. Sorensen, PO80:May 80:640

Wegman, Leonard
Dsc, EI4:Oct 80:433:15718, of "Engineers in Political Decision-Making Process", EI2:Apr 80:117:15340

Wehausen, John V.
Perturbation Methods in Diffraction, TN: WW2:May 80:290:15385

Wei, Chi-Yuan
Transient Seepage Analysis of Guri Dam, with William Y.J. Shieh, TC1:Apr 79:135:14503
TR:145:193

Wei, Irvine W.
See Li-Shiang Liang, EE5:Oct 80:935:15756

Wei, Jing Song
Finite Element Model for Hurricane Surge and Coastal Flooding, with Hsuan S. Chen and Jerry L. Machemehl, HYUS:June 80:205

Weidener, James P.
Dsc, TN: SU1:Nov 80:181:15786, of "Definition of Mean High Water Line", TN: SU1:Nov 79:111: 14943

Weidlinger, Paul
Seismic Design of Underground Lifelines, with Ivan Nelson, TC1:Aug 80:185:15658

Weingart, John R.
Regional Planning for the Urban Waterfront, CZ80: Nov 80:286

Weinmann, P. Erwin
Approximate Flood Routing Methods: A Review, with Eric M. Laurenson, HY12:Dec 79:1521:15057
Dsc: Victor Miguel Ponce and Fred D. Theurer, HY11:Nov 80:1945:15784; Roland K. Price, HY11:Nov 80:1947:15784; Zbigniew W. Kundzewicz, HY12:Dec 80:2072:15866
TR:145:513

Weinstein, Gary A.
Two Pacific Region Peoplemovers, MGC:July 80:315

Weiss, Heinz Willi
Suite of Mathematical Flood Plain Models, with Desmond Clifford Midgley, HY3:Mar 78:361:13604
Dsc: Kon Chin Tai, HY1:Jan 79:117:14270
Clo: HY11:Nov 79:1450:14935
TR:145:45

Weiss, Martin H.
Rules of Thumb for Transportation/Air Quality Alternatives Analysis, CAAA:Nov 79:259
The Use of Photochemical Grid Models to Analyze Transportation Actions, CAAA:Nov 79:322

Weiss, Willard D.
Railroad Electrification in the Pacific Area, MGC: July 80:117

Weissman, Samuel
See John J. Healey, ST6:June 79:1212:14602

Welby, Charles W.
Satelite Imagery and Shoreline Erosion Prediction, AS80:Aug 80:78

Welch, Christopher S.
Wave Tank Use In Small Boat Harbor Design, Newport News, Virginia, with Evon Paul Ruzecki, Robert James Lukens and Ching Seng Fang, PO80: May 80:614
See John C. Munday, Jr., PO80:May 80:417

Welle, Paul I.
See Donald E. Woodward, HYUS:June 80:99

Weller, Lloyd W.
Engineering Design Variables for the Activated Sludge Process, EE3:June 80:473:15509
Errata: EE5:Oct 80:1011:15717
TR:145:729

Wells, L. G.
See Billy J. Barfield, IRKB:July 80:628

Welt, Martin A.
Dsc, CE:Sept 80:36, on Re-decking a Bridge With Precast Concrete, CE:Apr 80:75

Wen, Robert K.
Modulus of Elasticity of Timber Members, with Bruce F. Henley and Frank J. Hsiu, TN: ST12:Dec 77:2399:13385
Dsc: Joseph H. Kaiserlik and Alan D. Freas, TN: ST10:Oct 78:1687:14048
Errata: TN: ST5:May 80:1219:15380, TN: ST9: Sept 79:1856:14795

Wen, Yi-Kwei
Statistics of Extreme of Live Load on Buildings, ST10:Oct 79:1893:14886
TR:145:414

Wenke, Sue
Washington's Automated Coastal Data Base: The Coastal Zone Atlas, with Marc Horton, CZ80:Nov 80:2291

Wenstorm, William P.
See Arliss D. Ray, EFHYF:Mar 79:387

Wentworth, R. C.
See M. Kaplan, PO80:May 80:269

Wenzel, Harry G., Jr.
Adaptation of ILLUDAS for Continuous Simulation, with Michael L. Voorhees, HY11:Nov 80:1795: 15840
See Larry W. Mays, WR2:Sept 79:439:14797

Wenzel, Thomas H.
Effective Utilization of Computer-Aided Design, CP80:June 80:401

Wenzel, William J.
Dsc, CE:Feb 80:28, on Education in Civil Engineering: Boost Professional Orientation?, CE: Aug 79:64

Werner, Hal D.
Well Construction and Development to Increase Efficiencies, with Tom F. Scherer and Evan R. Allred, Preprint No.80-118, Apr 80, 20pp.

Werner, Stuart D.
Structural Response of Traveling Seismic Waves, with Li Chi Lee, Hung Leung Wong and Mihailo D. Trifunac, ST12:Dec 79:2547:15059
TR:145:487

Wesselman, Joel
Managing Superprojects in the Public Sector: The Public Agency Consultant Team, with William J. Katz and Charles V. Gibbs, Preprint No.80-171, Apr 80, 16pp.

West, Harry H.
See Louis F. Geschwindner, Jr., ST3:Mar 79:465: 14436
See Louis F. Geschwindner, Jr., ST9:Sept 80:1885: 15681

West, Neils C.
See Charles A. Heatwole, CZ80:Nov 80:1684

West, William E.
Gillette-Madison Water Project Optimal Design, with Glen Taylor and Vance G. Lee, IRKA:July 80:431

Wester, Kenneth W.
TSM Planning for Fringe Parking Transit, with Michael J. Demetsky, TE3:May 79:279:14562
TR:145:206

Westermeyer, William
See Jonathan David Aronson, CZ80:Nov 80:589

Westmore, Richard A.
See Alan H. Schultz, WR2:Sept 79:377:14858

Weston, D. J.
Expansive Roadbed Treatment for Southern Africa, SLS:June 80:339

Weston, Loren K.
Artificial Recharge in South Platte River Basin, with Robert E. Swain, IR2:June 79:117:14606
TR:145:290

Wheby, Frank T.
Engineering Planning of Dike and Polder Airports, TE3:May 80:245:15417
TR:145:658

Wheeler, Gil
See George E. Wilson, EE3:June 79:583:14619

Wheen, Robert J.
Prestressed Concrete Members in Direct Tension, ST7:July 79:1471:14693
Dsc: Shan Somayaji, ST8:Aug 80:1827:15586
TR:145:361

Whetstone, George A.
See Robert M. Sweazy, EE80:July 80:357

Whetstone, W. D.
EISI-EAL: Engineering Analysis Language, CP80: June 80:276

Whipple,, R. Lawrence, Jr.
ASCE Engineering Management Continuing Education Program: An Overview, EI2:Apr 80:97: 15353
TR:145:565

Whipple, William, Jr.
Dual-Purpose Detention Basins, WR2:Sept 79:403: 14860
TR:145:309
Flood Management for Small Urban Streams, WR2: Nov 77:315:13370
Dsc: Paul F. Keim, WR1:Nov 78:294:14121
Clo: WR2:July 80:563:15515
TR:144:196
Policy Issues Concerning Water Quality/Quantity, WR1:Mar 80:71:15241
TR:145:380
Urban Runoff Pollution and Water Quality Planning, TC1:Aug 80:101:15632
Dsc, WR2:July 80:568:15515, of "Evaluation of Alternative Stormwater Detention Policies", WR2: Sept 79:171:14806

White, Charles A.
See Donald H. Gray, CE:Jan 80:82

White, Cindy
See Paul L. Bishop, EE5:Oct 80:977:15760

White, David L.
Computation of Non-Unique Elastic-Plastic Trusses, with Philip G. Hodge, Jr., Preprint No.80-510, Oct 80, 14pp.

White, Dean K.
Connecticut River Fishways: Model Studies, with Bruce J. Pennino, HY7:July 80:1219:15554

White, Jay D.
See Jeffrey S. Mahan, EY1:Apr 80:45:15366

White, Kenneth R.
Evaluation of Bridge Overloads, with John Minor, TE1:Jan 79:15:14279
Dsc: Richard Carl Gerke, TE6:Nov 79:736:14938
Clo: TE4:July 80:487:15514
TR:145:59
See Conrad G. Keyes, Jr., CP80:June 80:350
See William C. McCarthy, CP80:June 80:461
See Roger M. Zimmerman, EM81:Jan 81:267

White, Madeline
See Larry D. Hothem, SU1:Nov 78:79:14132

White, Mahlon B.
See Richard A. Gardner, EE80:July 80:453

White, R. B.
Geomorphic Indices of Hydrologic Characteristics, with Richard H. Hawkins, IRKB:July 80:54

White, Richard N.
Shear Transfer in Cracked Reinforced Concrete, with Peter Gergely and Rafael Jiminez, Preprint No.80-115, Apr 80, 19pp.

White, Willis S., III
See Siegfried M. Holzer, EM2:Apr 80:289:15322

Whitehurst, Charles A.
See Elvin J. Dantin, WW4:Nov 78:375:14184

Whitman, Robert V.
Seismic Resistance of Existing Buildings, with Frank J. Heger, Rene W. Luft and Frederick Krimgold, ST7:July 80:1573:15564
See Neville C. Donovan, ST8:Aug 78:1179:13972

Whittington, Mike
Determining Instream-Flow Needs on Public Lands, with Bruce Van Haveren, IRKA:July 80:36

Wible, Lyman F.
Data Base Use for Regional Environmental Planning, TE5:Sept 80:559:15677

Widera, Daryl E.O.
Refined Theories for Nonhomogeneous Anisotropic Cylindrical Shells: Part I-Derivation, with Darly L. Logan, EM6:Dec 80:1053:15933

Widera, G. E.O.
See Daryl L. Logan, Preprint No.80-573, Oct 80, 14pp.
See Daryl L. Logan, EM6:Dec 80:1075:15934

Wiegel, Robert L.
See Volker W. Harms, WW3:Aug 79:293:14767

Wiersema, Harry
Dsc, WR1:Mar 80:369:15228, of "Water Resource Systems Planning in U.S.A.:1776-1976", WR1:Mar 79:91:14417

Wiesner, Kenneth B.
Dsc, ST5:May 79:972:14551, of "Composite Beam Criteria in LRFD", ST9:Sept 78:1409:14005

Wiesner, Terence J.
Laboratory Tests on Model Piled Raft Foundations, with Peter T. Brown, GT7:July 80:767:15576

Wiesnet, Donald R.
See Vincent V. Salomonson, EFHYF:Mar 79:125

Wiggert, D. C.
Dsc, HY3:Mar 80:470:15225, of "Channel Flow Computations Using Characteristics", HY7:July 79: 899:14717

Wight, J. Ross
See Earl L. Neff, IRKB:July 80:827

Wight, James K.
See Charles F. Scribner, ST4:Apr 80:861:15360

Wijesinghe, A. M.
Response to Dynamic Surface Pressure Distributions, with Herbert B. Kingsbury, GT1:Jan 80:1:15114

TR:145:632

Wilcox, J. Ross
Endangered Species: Compatibility with a Utility, CZ80:Nov 80:179

Wild, John E.
National Transportation Policies Through the Year 2000, UT79A:July 79:173

Wild, Philip A.
See William F. Swiger, GT6:June 80:673:15506

Wilde, Keith
See John E. Keith, WR1:Mar 79:161:14416

Wildermuth, Mark
The STS Method for Flood Frequency Estimation, HYUS:June 80:66
Dsc, HY6:June 80:1146:15444, of "Flood Flow Frequency by SCS-TR-20 Computer Program", HY9:Sept 79:1123:14818

Wilen, Bill O.
National Wetlands Inventory Project, with Rudolf Nyc, CZ80:Nov 80:1847

Wilkening, Roland M.
Awards for 1980 to be given this Month: Management Award, CE:Oct 80:146

Wilkerson, John C.
See W. Linwood Jones, Preprint No.80-642, Oct 80, 14pp.

Wilkey, Michael
Land Reclamation at Abandoned Deep Coal Mine, with Stanley Zellmer, EE5:Oct 79:843:14877
TR:145:456

Wilkinson, David L.
Two-Dimensional Bubble Plumes, HY2:Feb 79:139:14385
TR:145:214

Will, Kenneth M.
See Leroy Z. Emkin, TN: ST11:Nov 79:2483:14936

Willardson, Lyman S.
Compaction Effects on Hydraulic Failure Gradients, with Manuel J. Batista, IRKA:July 80:140
Synthetic Drain Envelope—Soil Interactions, with Robert E. Walker, IR4:Dec 79:367:15028
TR:145:577

Willeke, Gene E.
Myths and Uses of Hydrometeorology in Forecasting, EFHYF:Mar 79:117
Social Aspects of Water Resources Planning, WR1:Mar 79:79:14428
TR:145:102

Willems, Nicholas
See Bogdan O. Kuzmanovic, Preprint No.80-556, Oct 80, 12pp.

Willenbrock, Jack H.
Construction QA/QC Systems: Comparative Analysis, with Scott Shepard, CO3:Sept 80:371:15669
See H. Randolph Thomas, Jr., TE3:May 80:317:15418
See H. Randolph Thomas, Jr., CO2:June 80:101:15481
See H. Randolph Thomas, Jr., CO2:June 80:117:15480
See H. Randolph Thomas, Jr., CO3:Sept 80:327:15703

Willer, David C.
Determining Feasibility of Small-Scale Hydropower, Preprint No.80-518, Oct 80, 10pp.

Willersdorf, Bruce Kenneth
Subdivision of Rural Land and Recreational Area Development—Eildon Reservoir, ASDC:80:150

Willetts, Brian B.
See Christopher J. Phillips, WW1:Feb 79:15:14379

Williams, A. A.B.
See Leonard Krazynski, SLS:June 80:683
See D. R. Snethen, SLS:June 80:717

Williams, Antony AB
Building on Expansive Soils in South Africa: 1973-1980, with George W. Donaldson, SLS:June 80:834

Williams, Brian J.
Expansion of Effluent Constrained Treatment Plants, EE3:June 80:571:15469
TR:145:723

Williams, Clifford D.
Ten are Elevated to ASCE Honorary Membership, CE:Oct 80:143

Williams, David
See Russell S. Mills, EM81:Jan 81:323

Williams, David T.
See Gary R. Dyhouse, IRKB:July 80:215

Williams, Frederic W.
Dsc, with W. Paul Howson, ST10:Oct 80:2125:15722, of "Buckling of Space Stayed Columns", ST9:Sept 79:1805:14852

Williams, James T.
See Thomas N. Debo, WR2:Sept 79:295:14843

Williams, Kirk E.
Transmission Line Surveys by Analytical Stereoplotter, with Wallace C. Wilson, Preprint No.80-108, Apr 80, 16pp.

Williams, Mary E.
See Stephen A. Mahin, EM81:Jan 81:616

Williams, Noel J.
Environmental Case History of an Ocean Outfall, with Richard B. Meighan, Donald D. Treadwell and George J. Murphy, CZ80:Nov 80:703

Williams, S. Jeffress
See Edward Meisburger, CZ80:Nov 80:810

Williamson, James V.
Feasibility of Five Low-Head Hydro Projects, with Anthony Wayne Pietz, EY1:Apr 80:57:15327
TR:145:552

Williamson, Kenneth J.
Estuarine Sediments: Successional Model, with David A. Bella, EE4:Aug 80:695:15595
See David A. Bella, EI3:July 78:193:13860
See Susan E. Stutz-McDonald, EE2:Apr 79:273:14519
See David A. Bella, EE1:Feb 80:125:15174
See P. O. Nelson, Preprint No.80-132, Apr 80, 15pp.
See Gregory R. Swanson, EE6:Dec 80:1111:15887

Williamson, Thomas G.
See Richard M. Gutkowski, Preprint No.80-128, Apr 80, 22pp.

Willis, Joe C.
Statistical Analysis of Concentration Records, with Gerald C. Bolton, HY1:Jan 79:1:14310
TR:145:183
Suspended Load from Error-Function Models, HY7: July 79:801:14684
TR:145:366
Dsc, EM6:Dec 80:1447:15865, of "Spurious Correlation in Dimensional Analysis", EM1:Feb 80: 93:15198

Willis, Mel
See Kirvil Skinnarland, CZ80:Nov 80:634

Wilmot, Chester G.
See Peter R. Stopher, TE6:Nov 79:595:14960

Wilson, A. L.
Selection of Air-Quality Models, with T. A. Peters, TC1:Apr 79:113:14494
TR:145:161

Wilson, B.
See Billy J. Barfield, IRKB:July 80:628

Wilson, Edward
See F. B. Couch, Jr., CE:Oct 80:154

Wilson, Eric Montgomery
See Robert Anthony Gibson, EY1:Jan 79:71:14291

Wilson, George E.
Atmospheric Sublayer Transport and Odor Control, with Jerry Y.C. Huang and Terry W. Schroepfer, EE2:Apr 80:389:15358
TR:145:704
Managed On-Site Disposal in Unsewered Areas, with Jerry Y.C. Huang, George Tchobanoglous and Gil Wheeler, EE3:June 79:583:14619
Dsc: Thiruvenkatachari Viraraghavan, EE3:June 80:673:15441
Clo: EE6:Dec 80:1207:15864
TR:145:374
TEACUP Pretreatment of Wastewaters, EE80:July 80:651

Wilson, Henry W., Jr.
See William J. Boegly, Jr., EY2:Oct 80:179:15757

Wilson, James A.
See Calin M. Popescu, UP1:Jan 79:25:14321

Wilson, James F.
Dynamics of Near-Optimal Spans with Moving Loads, with Serghios T. Barbas, Preprint No.80-654, Oct 80, 14pp.
See Thomas P. Joseph, EM2:Apr 80:255:15361

Wilson, John L.
Two-Dimensional Plume in Uniform Ground-Water Flow, with Paul J. Miller, HY4:Apr 78:503:13665
Dsc: Richard B. Codell, HY12:Dec 78:1682: 14195; Bruce Hunt, HY3:Mar 79:285:14402
Clo: HY12:Dec 79:1567:15009
TR:145:63

Wilson, Kenneth C.
Dsc, HY2:Feb 80:345:15161, of "Steepness of Sedimentary Dunes", HY4:Apr 79:381:14502

Wilson, Wallace C.
See Kirk E. Williams, Preprint No.80-108, Apr 80, 16pp.

Wilson, Woodrow W.
Allocation of Risks—E, CRLS:Jan 79:II-73

Wilson-Fahmy, Ragui F.
See Kamal Z. Andrawes, GT12:Dec 80:1313:15928

Windsor, James S.
Pumped Storage Optimization in Generation Systems, WR1:May 77:99:12946
Dsc: Fritz G. Rohde and Ernst Ch. Zoller, WR1: Nov 78:287:14121
Clo: WR2:Sept 79:431:14797
TR:145:15

Winfield, Richard P.
See Thomas W. Gallagher, EE80:July 80:604

Winger, Ray J.
See E. R. Zeigler, IRKA:July 80:166

Wingo, Lowdon
Coastal Zone Intergration of State and Local Plans, with James Fawcett, CZ80:Nov 80:2052

Winkelman, Lawrence C.
See Enno Koehn, Preprint No.80-009, Apr 80, 20pp.

Winkler, Helmut
See Kurt Berlin Gerstle, EM6:Dec 80:1383:15945

Winkley, Brien R.
See Peter F. Lagasse, WW3:Aug 80:389:15643

Winterkorn, Hans F.
Dsc, GT5:May 79:710:14549, of "Definition of Terms Related to Liquefaction", GT9:Sept 78:1197: 14037

Wintz, Joseph A., III
Composite Masonry: Research Needs, with Alan H. Yorkdale, Preprint No.80-584, Oct 80, 11pp.

Wirsching, Paul H.
Fatigue under Wide Band Random Stresses, with Mark C. Light, ST7:July 80:1593:15574
Linear Model in Probabilistic Fatigue Design, with Steve Hsieh, EM6:Dec 80:1265:15919

Wisely, William H.
Public Obligation and the Ethics System, EI3:July 79:131:14685
Errata: EI4:Oct 79:243:14865
TR:145:278

Wiseman, Howard
See Warren H. Chesner, EE80:July 80:504

Wiseman, Wm. J., Jr.
Estuarine Variability, Preprint No.80-645, Oct 80, 8pp.

Wiss, John F.
Construction Vibrations — State-of-the-Art, Preprint No.80-175, Apr 80, 26pp.

Withiam, James L.
See Fred H. Kulhawy, GT1:Jan 79:31:14301

Wittenberg, Hartmut
Dsc, HY1:Jan 79:115:14270, of "Parallel Cascades Model for Urban Watersheds", HY2:Feb 78:261: 13569

Witteveen, J.
Design Rules for Welded and Bolted Beam-to-Column Connections in Non-Sway Frames, with J. W.B. Stark, F. S.K. Bijlaard and P. Zoetemeijer, Preprint No.80-179, Apr 80, 27pp.

Wittig, Larry E.
See Francis J. Maher, ST1:Jan 80:183:15105

Wiuff, Rasmus
Dsc, HY10:Oct 79:1340:14868, of "Buoyant Surface Jet in Tidal Longshore Current", HY11:Nov 78:1505:14186

Wixom, Charles W.
Recent OTA Projects and Progress, with Jeffrey P. Cohn, TC1:Apr 79:97:14487
TR:145:131

Wolanski, Eric J.
Buoyant Surface Jet in Tidal Longshore Current, with Michael L. Banner, HY11:Nov 78:1505:14186
Dsc: Frank Engelund, HY6:June 79:764:14600; Rasmus Wiuff, HY10:Oct 79:1340:14868
Clo: HY8:Aug 80:1407:15585
TR:145:157

Wolbrink, Donald
Transportation in A Socio-Physical Planning Model, with Ellsworth B. Narris, MGC:July 80:237

Wolchuk, Roman
Proposed Specifications for Steel Box Girder Bridges, ST12:Dec 80:2463:15942

Wolf, James M.
Improving the Utilization of Overseas Irrigation Systems, with Francis E. Borcalli, IRKA:July 80:205

Wolf, John P.
Dynamic Stiffness of Group of Battered Piles, TN: GT2:Feb 80:198:15193

Wolff, Peter
Socioeconomic Impacts of Urban Tunnel Projects: An Approach to a Prediction Model, Preprint No.80-016, Apr 80, 22pp.

Wollander, Jon
Dsc, CE:Aug 80:26, on Solar Energy for Heating Homes: How Practical?, CE:Feb 80:38

Wong, Bryant W.C.
See John C. Crittenden, EE80:July 80:274

Wong, Chung
See David W. Murray, EM6:Dec 79:989:15046

Wong, Corey P.
See Stanley L. Ponce, IRKB:July 80:530

Wong, Hung Leung
See Stuart D. Werner, ST12:Dec 79:2547:15059
See Asadour H. Hadjian, EM81:Jan 81:217

Wong, I. H.
See Dunstan D. S. Chen, GTDF:80:64

Wood, Don J.
Slurry Flow in Pipe Networks, HY1:Jan 80:57:15132
Dsc: Oner Yucel, HY12:Dec 80:2078:15866
TR:145:549

Wood, Edwin M.
Highway Safety Research and Implementation, HW80:Mar 80:207

Wood, Ian R.
See Eric M. Valentine, HY8:Aug 79:999:14790
See Eric M. Valentine, HY12:Dec 79:1537:15088

Wood, Jonathan G.M.
Dsc, ST9:Sept 79:1865:14795, of "Nonlinear Finite Element Analysis of Farm Silos", ST7:July 78:1045:13907

Wood, M. K.
See W. H. Blackburn, IRKB:July 80:552

Wood, Thomas W.
See J. William Allen, CZ80:Nov 80:267

Woodruff, R.
See A. C. Busch, MGC:July 80:55

Woodruff, Richard S.
Sims is New ASCE President-Elect; Nine Other National Offices Filled, CE:Oct 80:143

Woodrum, Robert L.
Dsc, CE:Sept 80:40, on Public Engineers—Why the Least Happy Category of Civil Engineers?, CE:Mar 80:86

Woods, David G.
Truck Allocation Model for Concrete Distribution, with Frank C. Harris, CO2:June 80:131:15490
TR:145:684

Woods, Donald L.
See Graeme D. Weaver, HW80:Mar 80:38

Woods, Richard D.
See N. Foster Allen, GT3:Mar 80:235:15286
See John H. Schmertmann, GT8:Aug 80:958:15584

Woodward, Donald E.
Coastal Plains Unit Hydrograph Studies, with Paul I. Welle and Helen Fox Moody, HYUS:June 80:99

Woolhiser, David A.
See John J. Ingram, IRKB:July 80:40

Wootan, C. V.
See Graeme D. Weaver, HW80:Mar 80:38

Wormleaton, Peter R.
Dsc, with John Allen and Panos Hadjipanos, HY5:May 80:942:15379, of "Interaction between Main Channel and Flood-Plain Flows", HY5:May 79:573:14591
Dsc, with John Allen and Panos Hadjipanos, HY9:Sept 80:1554:15663, of "Open Channel Flow with Varying Bed Roughness", HY9:Sept 79:1167:14839
Dsc, HY12:Dec 80:2076:15866, of "Optimization of Unit Hydrograph Determination", HY1:Jan 80:85:15129

Wormley, David N.
See Clarence W. deSilva, ST1:Jan 79:35:14304
See Clarence W. de Silva, ST9:Sept 80:1933:15713

Worthington, Paul Francis
Preparation of Friable Aguiferous Specimens, TN: HY2:Feb 80:333:15165

Wosser, Thomas D.
See Henry T. Taylor, Preprint No.80-529, Oct 80, 16pp.

Wotkyns, Steele
Trinidad: A Solution for Coastal Land-Use Conflict, CZ80:Nov 80:1518

Wozniak, Robert S.
Seismic Design of Elevated Tanks, Preprint No.80-067, Apr 80, 26pp.

Wray, Warren K.
Analysis of Stiffened Slabs-on-Ground over Expansive Soil, SLS:June 80:558
Dsc, SLS:June 80:757, of "The Behaviour and Design of Housing Slabs on Expansive Clays", SLS:June 80:448

Wright, E. Alvey
Multi-Modal Transportation in Hawaii, MGC:July 80:1

Wright, Ira J.
See Roger C. Bales, EE80:July 80:582

Wright, James C.
Wave Forces on Cylinders near Plane Boundaries, with Tokuo Yamamoto, WW1:Feb 79:1:14358
TR:145:272
See Chinymiim Chern, PO80:May 80:399

Wright, James D.
The State and Local Politics of Seismic Hazard, C080:193

Wright, Joseph P.
See John M. McCormick, TC1:Apr 79:13:14486

Wright, Paul H.
Amelioration of Roadside Obstacle Crashes, with Leon S. Robertson, TE6:Nov 79:609:14974
TR:145:467
Roadside Obstacle Elimination Programs, HW80:Mar 80:116

Wright, R. Harlan
See Kurtz L. Paulson, Preprint No.80-507, Oct 80, 26pp.

Wright, Raymond M.
In-Stream Deoxygenation Rate Prediction, with Archie J. McDonnell, EE2:Apr 79:323:14523
Dsc: Vladimir Novotny, EE1:Feb 80:253:15158
TR:145:288

Wright, Richard N.
See James Robert Harris, CP80:June 80:112

Wright, Stephen
See Robert G. Bea, Preprint No.80-506, Oct 80, 23pp.

Wright, Steven J.
Two-Dimensional Buoyant Jets in Stratified Fluid, with Roger B. Wallace, HY11:Nov 79:1393:15003
Dsc: J.-C. Chen, P. N. Papanicolaou and Ericson J. List, HY10:Oct 80:1720:15721
TR:145:505
Dsc, HY3:Mar 79:281:14402, of "Forced Plumes in a Stratified Reservoir", HY4:Apr 78:13658
See Roger B. Wallace, HYCO:Aug 80:356

Wroth, C. Peter
See Guy T. Houlsby, EM4:Aug 80:753:15637

Wu, Arthur H.
See Miam Chang Wang, Preprint No.80-618, Oct 80, 14pp.

Wu, F. H.Y.
Spectral Wave Set-up and Run-up, with J. Ian Collins and David J. Divoky, HYUS:June 80:327

Wu, I-Pai
Drip Irrigation Design on Nonuniform Slopes, with Harris M. Gitlin, IR3:Sept 79:289:14829
TR:145:484
See Krishanlal C. Khatri, IR2:June 79:163:14613
See Victor A. Gillespie, IR3:Sept 79:247:14819

Wu, Ming-Jiun
See Ralph N. Boirum, Preprint No.80-094, Apr 80, 22pp.

Wu, Tien H.
Consolidation and Strength Properties of a Clay, with Nien Y. Chang and Elfatih M. Ali, GT7:July 78:889:13891
Dsc: Chitta R. Gangopadhyay, GT8:Aug 79:989:14722
Clo: GT3:Mar 80:335:15224
TR:145:111
See Elfatih M. Ali, GT6:June 80:593:15487

Wu, Yeun C.
Water Defluoridation with Activated Alumina, with Anan Nitya, EE2:Apr 79:357:14544
Dsc: K. R. Bulusu and B. N. Pathak, EE2:Apr 80:466:15296
TR:145:338

Wukasch, Ronald F.
See Bert L. Michalczyk, EE80:July 80:25

Wunder, M. D.
See Stan W. Zagajeski, CP80:June 80:203

Wycoff, Ronald L.
See Udai P. Singh, EE1:Feb 79:3:14360

Wylie, E. Benjamin
Inaccuracies in the Characteristics Method, HYCO:Aug 80:165

Wyllie, Loring
See Lawrence Selna, ST8:Aug 80:1717:15596

Yabusaki, Steve
See Victor Miguel Ponce, HY8:Aug 79:1050:14723

Yaksich, Stephen M.
See Frank H. Verhoff, EE3:June 80:591:15456

Yalin, Mehmet Selim
Inception of Sediment Transport, with Emin Karahan, HY11:Nov 79:1433:14975
Dsc: Chesley J. Posey, HY8:Aug 80:1413:15585; R. Narayanan, HY10:Oct 80:1715:15721
TR:145:481
Steepness of Sedimentary Dunes, with Emin Karahan, HY4:Apr 79:381:14502
Dsc: Martin N.R. Jaeggi, HY1:Jan 80:230:15097; Mohammad Akram Gill, HY1:Jan 80:233:15097; Kenneth C. Wilson, HY2:Feb 80:345:15161; Jorgen Fredsoe, HY4:Apr 80:623:15301
Clo: HY10:Oct 80:1693:15721
TR:145:279

Yamada, Shoji E.
Cap Model Guided By Energy Concept, with Ahmed S. Abou-Sayed, GT2:Feb 79:183:14384
TR:145:286

Yamada, Yoshikazu
A Fault-Rupture Propagation Model For Groung Motion Simulation, with Shigeru Noda, EM81:Jan 81:235
See Hirokazu Takemiya, EM2:Apr 79:351:14470

Yamamoto, Tokuo
See James C. Wright, WW1:Feb 79:1:14358

Yamanaka, Stanley T., Jr.
See Wallace S. Miyahira, CE:June 79:76

Yamane, George
See Ralph N. Boirum, Preprint No.80-094, Apr 80, 22pp.

Yandt, Robert W.
See Ralph E. Roper, Jr., EE2:Apr 79:309:14518

Yang, Chih Ted
Theory of Minimum Rate of Energy Dissipation, with Charles C.S. Song, HY7:July 79:769:14677
Dsc: Edward Silberman, HY2:Feb 80:350:15161; Timothy R.H. Davies, HY7:July 80:1259:15512; Gary Parker, HY7:July 80:1260:15512; Chenglung Chen, HY9:Sept 80:1541:15663
TR:145:358
Dsc, with Charles C.S. Song, HY6:June 79:757:14600, of "Determinate Hydraulic Geometry of River Channels", HY6:June 78:869:13830
See Charles C.S. Song, HY8:Aug 79:981:14780
See Charles C.S. Song, HY9:Sept 80:1477:15691
See Charles C.S. Song, CE:Oct 80:150

Yang, Chuen Sheng
See Frederick L.W. Tang, HYUS:June 80:215

Yang, Henry T.Y.
See Le-Chung Shiau, ST4:Apr 80:791:15325

Yang, Jann-Nan
Active Control and Stability of Cable-Stayed Bridge, with Fanis Giannopoulos, EM4:Aug 79:677:14762
TR:145:383
Active Control of Two-Cable-Stayed Bridge, with Fanis Giannopoulos, EM5:Oct 79:795:14899
TR:145:415
Active Tendon Control of Structures, with Fanis Giannopoulos, EM3:June 78:551:13836
Dsc: Oren Vilnay, EM2:Apr 79:350:14470
Clo: EM6:Dec 79:1062:15007
TR:145:34
Tall Building Response to Earthquake Excitations, with Y. K. Lin and S. Sae-Ung, EM4:Aug 80:801:15642

Yang, J. C. S.
Damping of An Offshore Platform Model By Random DEC Method, with M. Sherif Aggour, N. Dagalakis and F. Miller, EM81:Jan 81:819
See E. Kummer, EM81:Jan 81:445

Yang, Jing-Yea
Aquifer Tests at San Lorenzo Dam, El Salvador, with Sanford I. Strausberg, HYCO:Aug 80:119

Yang, Ping-Yi
See David H. Liang, EE5:Oct 79:905:14914

Yang, S. S.
See Jerry R. Rogers, ASDC:80:92

Yang, T. Y.
Seismic Analysis of Fossil-Fuel Boiler Structures, with M. I. Baig, ST12:Dec 79:2511:15063
TR:145:492
See Carl S. Gran, EM4:Aug 79:567:14741

Yang, Zen
See Shelly Prager, Preprint No.80-619, Oct 80, 17pp.

Yao, James T.P.
Damage Assessment of Existing Structures, EM4:Aug 80:785:15653
System Identification In Earthquake Engineering, with Anshel J. Schiff, EM81:Jan 81:657
Dsc, EM6:Dec 80:1451:15865, of "The Merging of Fuzzy and Crisp Information", EM1:Feb 80:123:15201

Yee, Carlton S.
X-Ray Analysis and Suspended Sediment Source Area, with Annette Parsons, IRKB:July 80:442

Yegian, Mishac K.
See George C. Gazetas, GT12:Dec 79:1455:15053

Yeh, Charles H.H.
Filtration for Treating Metal-Finishing Wastes, with Mriganka M. Ghosh, EE80:July 80:546

Yeh, Fei Fan
A Note on Joint Probability of Surge and Rainfall, HYUS:June 80:1

Yeh, Gour-Tsyh
Moving Boundary Numerical Surge Model, with Fang-Kuo Chou, WW3:Aug 79:247:14758
Dsc: Daniel R. Lynch, WW3:Aug 80:425:15587
TR:145:459

Yeh, H. H.
See R. T. Fellman, EE80:July 80:221

Yeh, William W-G.
Central Arizona Project: Operations Model, with Leonard Becker, Douglas Toy and Albert L. Graves, WR2:July 80:521:15573
Real-Time Hourly Reservoir Operation, with Leonard Becker and Wen-Sen Chu, WR2:Sept 79:187:14813
TR:145:130
See Wen-Sen Chu, HY4:Apr 80:501:15345
See Nancy Young Moore, WR2:July 80:383:15520

Yen, Ben Chie
Design Hyetographs for Small Drainage Structures, with Ven Te Chow, HY6:June 80:1055:15452
TR:145:700
See Larry W. Mays, WR2:Sept 79:439:14797

Yen, Bing C.
Soil-Pipe Interaction of Heated Oil Pipelines, with Ching H. Tsao and Robert D. Hinkle, Preprint No.80-163, Apr 80, 22pp.

Yevjevich, Vujica
See Victor Miguel Ponce, TN: HY12:Dec 78:1663:14199

Yew, Ching H.
Penetration of Projectile into Terrestrial Target, with P. P. Stirbis, EM2:Apr 78:273:13703
Dsc: Anil K. Kar, EM6:Dec 78:1466:14193
Clo: EM6:Dec 79:1061:15007
TR:145:27

Yoder, Douglas
Dade County's Plan for Aquifer Management, with Paula Church, Jorge Rodriguez and Anthony Clemente, Preprint No.80-577, Oct 80, 14pp.

Yokoyama, Teruyuki
See Mutsuto Kawahara, HY4:Apr 80:519:15341

Yonezawa, Hiroshi
See Ichizou Mikami, ST11:Nov 79:2475:14936

Yong, Raymond N.Y.
Analysis of Soil Compactibility by Rollers, with E. A. Fattah, Preprint No.80-646, Oct 80, 14pp.
Interparticle Action and Rheology of Dispersive Clays, with Amar J. Sethi, Harald P. Ludwig and Mary A. Jorgensen, GT10:Oct 79:1193:14903
TR:145:543

Yonts, C. Dean
Effect of Sediment on Advance Rates and Intake Rates, with Walter L. Trimmer, Robert J. Edling and John Borrelli, IRKA:July 80:429

Yoo, Chai Hong
Matrix Formulation of Curved Girders, EM6:Dec 79:971:15078
Dsc: Raul Rosas e Silva and William Weaver, Jr., EM6:Dec 80:1445:15865

TR:145:494
Redundancy of Flexural Systems: State-of-the-Art, Preprint No.80-587, Oct 80, 8pp.

Yoo, Tai-Sung
Dynamics of Vibratory-Roller Compaction, with Ernest T. Selig, GT10:Oct 79:1211:14907
Dsc: Charles R. Foster, GT11:Nov 80:1290:15783; Renaud Sanejouand and Alain Quibel, GT11:Nov 80:1290:15783
Errata: GT12:Dec 79:1559:15008, GT11:Nov 80:1293:15783
TR:145:550

Yorkdale, Alan H.
See Joseph A. Wintz, III, Preprint No.80-584, Oct 80, 11pp.

Young, David T.
See Subhash C. Anand, Preprint No.80-526, Oct 80, 16pp.

Young, Douglas
See Daniel Taylor, IRKB:July 80:985

Young, George K.
Advanced Waste Treatment Investments, EE4:Aug 80:681:15597
Urban Runoff Pollution Method, with Timothy R. Bondelid and Dennis N. Athayde, WR2:Sept 79:353:14854
TR:145:265
See R. Uwe Jettmar, EE1:Feb 80:105:15173

Young, Ian R.
Dsc, with Rodney J. Sobey, TN: WW4:Nov 80:499:15789, of "Direct Solution of Wave Dispersion Equation", TN: WW4:Nov 79:457:14944
See Rodney J. Sobey, HYCO:Aug 80:333

Young, James C.
See A. Douglas Rademaker, Preprint No.80-040, Apr 80, 22pp.

Young, L. Y.
See S. Roychowdhury, EE80:July 80:75

Young, Matthew J.
See James M. Morand, EE80:July 80:526

Young, Neil E.
Installation and Assembly Method to be Utilized in Assembly of the Tokamak Fusion Test Reactor, Preprint No.80-610, Oct 80, 12pp.

Young, Norman C.
See C. Stephen Allred, Preprint No.80-152, Apr 80, 9pp.

Young, Randall
See Enno Koehn, CO4:Dec 79:331:15092

Young, Robert A.
Marine Fender Specifications, PO80:May 80:547

Young, Robert I.
New Graving Dry Dock at Tampa, Florida, WW1:Feb 80:19:15184
TR:145:694

Youngquist, John A.
Press-Lam Timbers for Exposed Structures, with David S. Gromala, Ronald W. Jokerst, Russell C. Moody and John L. Tschernitz, ST7:July 79:1405:14673
TR:145:334

Yu, A. T.
Application of POA to Transshipment Terminals, with Daniel Mahr, PO80:May 80:126

Yu, Frank C.
Quantifying Emission Impacts of High Occupancy Vehicles, CAAA:Nov 79:294

Yuan, Robert L.
See Wai F. Chen, ST8:Aug 80:1673:15593

Yucel, Oner
Dsc, HY12:Dec 80:2078:15866, of "Slurry Flow in Pipe Networks", HY1:Jan 80:57:15132

Yuceoglu, Umur
Stress Analysis of Bonded Plates and Joints, with Dean P. Updike, EM1:Feb 80:37:15189
TR:145:516
Stress Concentrations in Bonded Multi-Layer Cylindrical Shells, with Dean P. Updike, Preprint No.80-656, Oct 80, 10pp.

Yun, Chung-Bang
See Rudolf F. Drenick, ST10:Oct 79:1879:14876

Yura, Joseph A.
Beam Web Shear Connections—An Experimental Study, with Peter C. Birkemoe and J. M. Ricles, Preprint No.80-179, Apr 80, 21pp.

Zabaga, Joseph G.
The Impact of Hydrocarbon Emission Controls on Marine Design, PO80:May 80:677

Zabawski, Frank A.
See Walter Cherwony, Preprint No.80-565, Oct 80, 12pp.

Zabel, Wiley K.
Dsc, CE:May 80:31, on Winter Roof Collapses: Bad Luck or Bad Design?, CE:Dec 79:42

Zacher, Edwin G.
Status of Design Loadings for Buildings Standards, Preprint No.80-632, Oct 80, 9pp.
See Edward D. Graf, CE:Jan 79:67

Zagajeski, Stan W.
Automated Design of Multistory Frame Structures, with M. D. Wunder, CP80:June 80:203

Zagakesli, Stan Zagajeski
Optimum Seismic-Resistant Design of R/C Frames, with Vitelmo V. Bertero, ST5:May 79:829:14583
TR:145:267

Zakic, Borislav D.
Wood Beams Under Impact Load, ST7:July 79:1489:14690
TR:145:359

Zamecnik, Frank J.
Errors in Utilization of Cold-Formed Steel Members, ST12:Dec 80:2493:15941

Zandi, Iraj
Freight Pipeline, Rail, and Truck Cost Comparison, with John A. Warner and Ronald Mersky, TE4:July 79:411:14703
TR:145:292

Zanoni, Alphonse E.
Engineering and Legal Professions: Interaction Needed, EI1:Jan 79:21:14309
TR:145:139

Zarembski, Allan M.
Track Gage Widening: Model Study, with Mostafa Rassaian, TE6:Nov 79:715:14998
TR:145:482

Zayas, Victor A.
See Egor P. Popov, ST11:Nov 79:2261:14982
See Egor P. Popov, Preprint No.80-135, Apr 80, 18pp.
See Egor P. Popov, ST12:Dec 80:2375:15918

Zee, Gabriel T.Y.
See Robert A. Grace, TN: WW1:Feb 78:83:13513

Zegeer, C. V.
See K. R. Agent, TE3:May 80:283:15413

Zeidner, Lawrence E.
See Yehonathan Hazony, CP80:June 80:257

Zeigler, E. R.
Laboratory Tests of Gravel Envelope Flow Resistance, with Ray J. Winger, IRKA:July 80:166

Zeitlen, Joseph G.
A Foundation Code for Expansive Soil Conditions, with Amos Komornik, SLS:June 80:609

Zeitler, Winfried
See Gerhard J. Mehlhorn, Preprint No.80-552, Oct 80, 16pp.

Zellmer, Stanley
See Michael Wilkey, EE5:Oct 79:843:14877

Zelver, Nicholas
See Basil F. Picologlou, HY5:May 80:733:15421

Zeneski, Joseph M.
See Gary B. Saxton, EE3:June 79:503:14609

Zenobia, Kent E.
Multiple-Tap Column Design for Adsorbents, with Irwin H. Suffet, TN: EE4:Aug 80:852:15588

Zerna, Wolfgang
Construction and Design of Large Cooling Towers, with Ihsan Mungan, ST2:Feb 80:531:15217
TR:145:602

Zidek, Jim V.
See Peter Graham Buckland, ST4:Apr 80:915:15306

Ziegler, George
Allocation of Risks—D, CRLS:Jan 79:II-69

Zienkiewicz, Olgierd C.
Awards for 1980 to be given this Month: Newmark Medal, CE:Oct 80:148

Zils, John J.
See Fazlur R. Khan, CE:Dec 80:68

Zimmerli, Bruno
Strength Interaction Surfaces for Tall Buildings, with Bruno Thurlimann, ST3:Mar 79:481:14426
TR:145:201

Zimmerman, Roger M.
Measurements of On-Site Dynamic Parameters for Seismic Evaluations, with Kenneth R. White, EM81:Jan 81:267
See Kurt Berlin Gerstle, EM6:Dec 80:1383:15945

Zodikoff, Benjamin S.
Mode Alternatives for Serving Rail Freight Users, MGC:July 80:129

Zoetemeijer, P.
See J. Witteveen, Preprint No.80-179, Apr 80, 27pp.

Zolkov, Eli
Dsc, TN: GT9:Sept 80:1078:15662, of "Uncertainity Analysis of Relative Density", TN: GT7:July 79: 899:14665

Zoll, Peter F.
Engineering Software Selection Criteria, CP80:June 80:67

Zoller, Ernst Ch.
See Fritz G. Rohde, WR1:Nov 78:287:14121

Zovne, Jerome J.
Simulation of Transient Supercritical Channel Flow, with C. Samuel Martin, HY7:July 79:859:14708
TR:145:381

Zur, Benjamin
See S. Tal, IR1:Mar 80:27:15291
See Gideon Oron, IR4:Dec 80:299:15906

Zurow, Andrew
See John T. Novak, EE5:Oct 77:815:13262

Zuzel, J. F.
See Walter J. Rawls, IRKB:July 80:356

1980 EE SUBJECT INDEX

Absorption
Dual Rate Kinetic Model of Fixed Bed Adsorber, Russell G. Peel and Andrew Benedek, EE4:Aug 80: 797:15638
Moisture Retention of Landfilled Solid Wastes, Raymond L. Huitric, Sagar Raksit and Roger T. Haug, EE80:July 80:55

Acid Mine Water
Kinetic Model for Flocculation with Polymers, Peter M. Huck and Keith L. Murphy, EE4:Aug 78:767: 13950

Activated Carbon
Control of Trihalomethanes Using Powdered Carbon, Mark C. Anderson, R. C. Butler, B. H. Kornegay and W. D. Pfoutz, EE80:July 80:378
Dual Rate Kinetic Model of Fixed Bed Adsorber, Russell G. Peel and Andrew Benedek, EE4:Aug 80: 797:15638
Judiciously Planned Bench Scale Studies are Extremely Valuable in AWT Process Selection, Madan L. Arora, Margaret J. Bliss and Ken M. Trompeter, EE80:July 80:100
Mathematical Modeling of Humic Substances Removal with Activated Carbon Beds, Michael C. Lee, John C. Crittenden, Vernon L. Snoeyink and William E. Thacker, EE80:July 80:387
Treating Industrial Wastewater of Varying Quality and Quantity, Sydney H. Stilley, EE80:July 80:553

Activated Carbon Treatment
Control of Trihalomethanes Using Powdered Carbon, Mark C. Anderson, R. C. Butler, B. H. Kornegay and W. D. Pfoutz, EE80:July 80:378
Convection Limited Sorption Kinetics in Packed Beds, David W. Hendricks, EE4:Aug 80:727:15605
Mathematical Modeling of Humic Substances Removal with Activated Carbon Beds, Michael C. Lee, John C. Crittenden, Vernon L. Snoeyink and William E. Thacker, EE80:July 80:387
Occurence of Organic Compounds and Removal by AWT Processes, Kip Kuchon, EE80:July 80:612
Treating Industrial Wastewater of Varying Quality and Quantity, Sydney H. Stilley, EE80:July 80:553

Activated Sludge
Anaerobic Digestion of Waste and Activated Sludge, James M. Gossett and Roy L. Belser, EE80:July 80:33
Biokinetics of Phosphorus Removal in PHOSTRIP Activated Sludge, Raymond W. Reagan and John B. Nesbitt, EE80:July 80:282
Engineering Design Variables for the Activated Sludge Process, Lloyd W. Weller, Chmn., EE3:June 80:473:15509
Final Clarifiers for Activated Sludge Plants, Shankha K. Banerji, Chmn., EE5:Oct 79:803:14930
Kinetics of Pure Oxygen Activated Sludge, Gedaliah Shelef and Michal Green, EE6:Dec 80:1099:15884
Oxygen Transfer Measurements in Respiring Systems, John R. Stukenberg, EE80:July 80:78
Secondary Treatment Alternatives: Suspended Growth, Gordon L. Culp, Chmn., EE2:Apr 79:283: 14528
A Streamlined Approach to Biological Nitrogen Removal, Laurence J. Sauter, Jr. and James E. Alleman, EE80:July 80:296

Activated Sludge Process
Alpha, Beta, and Theta Factors For Oxygen Transfer Testing, Michael K. Stenstrom and R. Gary Gilbert, EE80:July 80:86
Biokinetics of Phosphorus Removal in PHOSTRIP Activated Sludge, Raymond W. Reagan and John B. Nesbitt, EE80:July 80:282
Cost Interactions in Activated Sludge Systems, Michael K. Stenstrom and John F. Andrews, EE4: Aug 80:787:15627
Diffusion and Reaction in Biological Nitrification, Enrique J. LaMotta and Wen K. Shieh, EE4:Aug 79:655:14759
Effect of Design on Economy of Aerobic Digestion, Otto Brody, EE2:Apr 79:383:14547
Energy Conservation in Activated Sludge Systems, Sal D'Angelo, H. David Stensel and J. C. Goldman, EE4:Aug 80:773:15636
Extended Aeration Treatment at Maryland State Parks, James E. Alleman and Joanne S. Colt, EE80:July 80:175
Final Clarifiers for Activated Sludge Plants, Shankha K. Banerji, Chmn., EE5:Oct 79:803:14930
Kinetics of Pure Oxygen Activated Sludge, Gedaliah Shelef and Michal Green, EE6:Dec 80:1099:15884
A Streamlined Approach to Biological Nitrogen Removal, Laurence J. Sauter, Jr. and James E. Alleman, EE80:July 80:296

Activation
Ozone Inactivation of Floc Associated Viruses and Bacteria, Douglas S. Walsh, Charles E. Buck and Otis J. Sproul, EE4:Aug 80:711:15601

Adsorbents
Model for Design of Multicomponent Adsorption Systems, John C. Crittenden and Walter J. Weber, Jr., EE6:Dec 78:1175:14230
Multiple-Tap Column Design for Adsorbents, Kent E. Zenobia and Irwin H. Suffet, TN: EE4:Aug 80: 852:15588

Adsorption
Convection Limited Sorption Kinetics in Packed Beds, David W. Hendricks, EE4:Aug 80:727:15605
Disposal of Hazardous Toxic Munition Waste, Irving Forsten, EE80:July 80:440
The Effect of Complex Formation on the Removal of Heavy Metals from Water and Wastewater, C. P. Huang and A. R. Bowers, EE80:July 80:240
Filtration for Treating Metal-Finishing Wastes, Charles H.H. Yeh and Mriganka M. Ghosh, EE80: July 80:546
Mathematical Modeling of Humic Substances Removal with Activated Carbon Beds, Michael C. Lee, John C. Crittenden, Vernon L. Snoeyink and William E. Thacker, EE80:July 80:387
Mathematical Modeling of the Displacement of Preadsorbed Organics in Fixed-Bed Adsorbers, John C. Crittenden, Bryant W.C. Wong, William E. Thacker, Vernon L. Snoeyink and Richard L. Hinrichs, EE80:July 80:274
Model for Design of Multicomponent Adsorption Systems, John C. Crittenden and Walter J. Weber, Jr., EE6:Dec 78:1175:14230
Treating Industrial Wastewater of Varying Quality and Quantity, Sydney H. Stilley, EE80:July 80:553

Aeration
Alpha, Beta, and Theta Factors For Oxygen Transfer Testing, Michael K. Stenstrom and R. Gary Gilbert, EE80:July 80:86
Design Criteria for Aerobic Aerated Lagoons, Dhandapani Thirumurthi, EE1:Feb 79:135:14392
Effect of Design on Economy of Aerobic Digestion, Otto Brody, EE2:Apr 79:383:14547
Engineering Design Variables for the Activated Sludge Process, Lloyd W. Weller, Chmn., EE3:June 80:473:15509
Extended Aeration Treatment at Maryland State Parks, James E. Alleman and Joanne S. Colt, EE80:July 80:175
Laboratory Studies of Gas Tracers for Reaeration, Ronald E. Rathbun, D. W. Stephens, David J. Shultz and D. Y. Tai, EE2:Apr 78:215:13679
Modeling Waste Assimilation After Channelization, Edward C. Davis and Edward L. Thackston, EE80: July 80:153
Organics in Water—An Engineering Challenge, Perry L. McCarty, EE1:Feb 80:1:15180
Oxygen Transfer Measurements in Respiring Systems, John R. Stukenberg, EE80:July 80:78
Oxygen Transfer Standard—Basin Geometry and Mixing (Abstract), Thomas C. Rooney and Ronald N. Salzman, EE80:July 80:94
Proposed Modifications of K_2—Temperture Relation, Linfield C. Brown and Michael K. Stenstrom, TN: EE6:Dec 80:1193:15869
A Review of Design Fundamentals is Needed, Mark J. Hammer, EE80:July 80:167

Aeration Tanks
Design Criteria for Aerobic Aerated Lagoons, Dhandapani Thirumurthi, EE1:Feb 79:135:14392

Aerators
Oxygen Transfer Standard—Basin Geometry and Mixing (Abstract), Thomas C. Rooney and Ronald N. Salzman, EE80:July 80:94

Aerobic Treatment
Effect of Design on Economy of Aerobic Digestion, Otto Brody, EE2:Apr 79:383:14547

Aerosols
Aerosols in the Treatment Plant Environment, C. Richard Walter and Guy D. Van Doren, EE80:July 80:488

Agriculture
Evaluation of Land Treatment of Wastewater in California, John R. Thornton and James D. Goff, EE80:July 80:106

Air Compressors
Control of Construction Noise, Stan Potter and A. Paolillo, EE80:July 80:421

Air Pollution
Air Pollution Aspects of Land Disposal of Toxic Wastes, Thomas T. Shen and T. James Tofflemire, EE1:Feb 80:211:15213
Air Quality Modeling of A Sewage Treatment Plant, Walter G. Hoydysh and Richard P. Barth, EE80: July 80:494
Atmospheric Sublayer Transport and Odor Control, George E. Wilson, Jerry Y.C. Huang and Terry W. Schroepfer, EE2:Apr 80:389:15358
Demonstration d-RDF Burn GSA Pentagon Power Plant, H. M. Freeman, Jay Campbell and M. A. Golembiewski, EE80:July 80:598
Dispersion Modeling in Time and Two Dimensions, Jonathan F. Henry and Edward G. Foree, EE6:Dec 79:1131:15054
Meteorological Impacts on Urban Sulfate Levels, William A. Turner and Constantine J. Gregory, EE2:Apr 80:311:15348
Synfuel Facilities: Environmental Control Strategies, Warren H. Chesner and Howard Wiseman, EE80: July 80:504

Air Quality Standards
Air Quality Modeling of A Sewage Treatment Plant, Walter G. Hoydysh and Richard P. Barth, EE80: July 80:494

Alaska
Port Valdez Environmental Studies: 1976-1978, Joseph M. Colonell, EE5:Oct 80:907:15738

Algae
Index To Evaluate Lake Restoration, Donald B. Porcella, Spencer A. Peterson and David P. Larsen, EE6:Dec 80:1151:15893
Modeling Pollution in Strait of Maracaibo, Gustavo Parra-Pardi, EE5:Oct 80:959:15751
Nutrient Budget Analysis for Rend Lake in Illinois, Veerasamy Kothandaraman and Ralph L. Evans, EE3:June 79:547:14616
Saturation Kinetics for Preferential Nitrogen Uptake, David S. Bowles and William J. Grenney, TN: EE4:Aug 80:833:15588
Upgrading Lagoon Effluents with Rock Filters, Gregory R. Swanson and Kenneth J. Williamson, EE6:Dec 80:1111:15887

Allocations
Advanced Waste Treatment Investments, G. Kenneth Young, EE4:Aug 80:681:15597

Alumina
Water Defluoridation with Activated Alumina, Yeun C. Wu and Anan Nitya, EE2:Apr 79:357:14544

Alums
Mathematical Modeling of Humic Substances Removal with Activated Carbon Beds, Michael C. Lee, John C. Crittenden, Vernon L. Snoeyink and William E. Thacker, EE80:July 80:387

Ammonia
Modeling Framework to Address AWT Decisions, Thomas W. Gallagher and Richard P. Winfield, EE80:July 80:604

Anaerobic Digestion
Anaerobic Digestion of Cannery Tomato Solid Wastes, David J. Hills and Ronald S. Dykstra, EE2:Apr 80:257:15318
Anaerobic Digestion of Waste and Activated Sludge, James M. Gossett and Roy L. Belser, EE80:July 80:33
Cost Interactions in Activated Sludge Systems, Michael K. Stenstrom and John F. Andrews, EE4: Aug 80:787:15627
Digester Gas Utilization Programs, Raymond R. Rimkus, John M. Ryan and Alfred J. Michuda, EE6:Dec 80:1071:15902
Modeling Toxicity in Methane Fermentation Systems, Gene F. Parkin and Richard E. Speece, EE80:July 80:288

Anaerobic Processes
Lime Use in Anaerobic Filters, Graham J. Brown, Kuran-Chow Lin, Robert C. Landine, Albert A. Cocci and Thiruvenkatachari Viraraghavan, TN: EE4:Aug 80:837:15588

Anion Exchange
Organics Removal by Ion Exchange-Process Design, Christine Ann Macko and Walter J. Maier, EE80: July 80:394

Applications of Mathematics
Dispersion Modeling in Time and Two Dimensions, Jonathan F. Henry and Edward G. Foree, EE6:Dec 79:1131:15054

Aquaculture
Aquaculture Systems for Wastewater Treatment, Edward R. Pershe, EE80:July 80:103

Aquatic Plants
Aquaculture Systems for Wastewater Treatment, Edward R. Pershe, EE80:July 80:103

Index To Evaluate Lake Restoration, Donald B. Porcella, Spencer A. Peterson and David P. Larsen, EE6:Dec 80:1151:15893

Aquifers
Dual Recharge Well for Water Supply Stabilization, William H. Fleming, Jr. and Gerald E. Speitel, EE80:July 80:257

Army
Installation Restoration—An Army Initiative, Frank A. Jones, Jr., Donald K. Emig and John P. Glennon, EE80:July 80:571

Aromatic Hydrocarbons
Air Pollution Aspects of Land Disposal of Toxic Wastes, Thomas T. Shen and T. James Tofflemire, EE1:Feb 80:211:15213

Arsenic
Fluoride, Nitrate, Arsenic, and Selenium Removal From Small Community Water Supplies, Dennis Clifford, Maheyar Bilimoria, Gurinder Singh and Tom Sorg, EE80:July 80:514

Artificial Recharge
Use of Highly-Treated Wastewater to Recharge the Ground-Water Reservoir in Nassau County, Long Island, New York, David A. Aronson, EE80:July 80:214

ASCE (Publications)
State of the Journal, Otis J. Sproul, Chmn., EE6:Dec 80:1013:15930

ASCE State-Of-The-Art of Ce Award
Nuclear Facilities Siting, Paul Kruger, EE3:June 79: 443:14615

Assessments
Assessing Nonpoint Water Quality for Small Streams, Michael E. Meadows, Dennis W. Weeter and James M. Green, EE6:Dec 78:1119:14232

Asymptotic Series
Dispersion Modeling in Time and Two Dimensions, Jonathan F. Henry and Edward G. Foree, EE6:Dec 79:1131:15054

Atmospheric Diffusion
Evaluating Odor Reduction Technologies: Model, Robert C. Balling, Jr. and Carroll E. Reynolds, EE5:Oct 80:901:15743

Attenuation
Containment of Heavy Metals with Natural Materials, Ronald E. Benson, Jr., EE80:July 80:69

Attitude Perception
Managed On-Site Disposal in Unsewered Areas, George E. Wilson, Jerry Y.C. Huang, George Tchobanoglous and Gil Wheeler, EE3:June 79:583: 14619

Automation
Modification of Older Automated Samplers, Fred A. Koehler, Ed P. Harris and Frank J. Humenik, TN: EE3:June 80:655:15447

Backwashing
Effectiveness of Backwashing for Wastewater Filters, John L. Cleasby and James C. Lorence, EE4:Aug 78:749:13967
Optimum Backwashing of Sand Filters, Appiah Amirtharajah, EE5:Oct 78:917:14078

Bacteria
Acrosols in the Treatment Plant Environment, C. Richard Walter and Guy D. Van Doren, EE80:July 80:488
Estuarine Sediments: Successional Model, Kenneth J. Williamson and David A. Bella, EE4:Aug 80:695: 15595
Kinetics of Bacterial Deactivation with Chlorine, Robert E. Selleck, Bernard M. Saunier and Harvey F. Collins, EE6:Dec 78:1197:14247
Modeling Suspended Solids and Associated Bacteria in Natural Water Systems, Christopher G. Uchrin and Walter J. Weber, Jr., EE80:July 80:160
Ozone Inactivation of Floc Associated Viruses and Bacteria, Douglas S. Walsh, Charles E. Buck and Otis J. Sproul, EE4:Aug 80:711:1560!

Bacterial Diseases
Aerosols in the Treatment Plant Environment, C. Richard Walter and Guy D. Van Doren, EE80:July 80:488
Control of Stormwater Runoff in a Rural Area, Pamela B. Katz, John A. Ripp and Deborah K. Martin, EE80:July 80:372

Basins
Ideal Flow Patterns for Equalization Basins, Ely Anthony R. Ouano, TN: EE4:Aug 78:817:13913

Beaches
Wastewater Risk Assessment, Neil J. Hutzler and William C. Boyle, EE5:Oct 80:919:15748

Benefit Cost Analysis
Comparison of Tangibles and Intangibles, Ian G. Wallis, EE4:Aug 78:625:13959

Biochemical Oxygen Demand
Aquaculture Systems for Wastewater Treatment, Edward R. Pershe, EE80:July 80:103
Engineering Design Variables for the Activated Sludge Process, Lloyd W. Weller, Chmn., EE3:June 80:473:15509
In-Stream Deoxygenation Rate Prediction, Raymond M. Wright and Archie J. McDonnell, EE2:Apr 79: 323:14523
Least Squares Estimates of BOD Parameters, Thomas O. Barnwell, Jr., TN: EE6:Dec 80:1197:15869
Modeling Combined Sewer Storage Alternatives, Hagop L. Shahabian, Anthony J. Graham and George E. Kamedulski, EE80:July 80:480
Modeling Pollution in Strait of Maracaibo, Gustavo Parra-Pardi, EE5:Oct 80:959:15751
Modeling Suspended Solids and Associated Bacteria in Natural Water Systems, Christopher G. Uchrin and Walter J. Weber, Jr., EE80:July 80:160

Biodegradation
Anaerobic Digestion of Waste and Activated Sludge, James M. Gossett and Roy L. Belser, EE80:July 80:33

Biological Properties
Biological Contamination of Finished Water Reservoirs, J. Sykora, Maurice A. Shapiro and G. Keleti, EE80:July 80:267

Biological Treatment
Biological Treatment of Synthetic Fuel Wastewater, Richard G. Luthy, Deborah J. Sekel and James T. Tallon, EE3:June 80:609:15459
Diffusion and Reaction in Biological Nitrification, Enrique J. LaMotta and Wen K. Shieh, EE4:Aug 79:655:14759
Fluidized Bed for Biological Wastewater Treatment, Theodore C. Stathis, EE1:Feb 80:227:15215
Treating Industrial Wastewater of Varying Quality and Quantity, Sydney H. Stilley, EE80:July 80:553

Biomass
Energy Recovery From Waste and Biomass—Site Specific Economic Studies, Roger C. Bales, Ira J. Wright and Lory E. Larson, EE80:July 80:582

Boilers
Demonstration d-RDF Burn GSA Pentagon Power Plant, H. M. Freeman, Jay Campbell and M. A. Golembiewski, EE80:July 80:598

Buildings
Control of Noise and Vibration in Buildings Near Subways, A. Paolillo and H. Podolsky, EE80:July 80:414

California
Alternatives for Reducing Nitrate in Municipal Supplies at McFarland, Calif., Gerald A. Guter and Ernest Kartinen, Jr., EE80:July 80:520
Energy Recovery From Waste and Biomass—Site Specific Economic Studies, Roger C. Bales, Ira J. Wright and Lory E. Larson, EE80:July 80:582
Evaluation of Land Treatment of Wastewater in California, John R. Thornton and James D. Goff, EE80:July 80:106
Management of Hazardous Waste Using Regional Concepts, Richard A. Gardner and Mahlon B. White, EE80:July 80:453
Reuse Alternatives in the Los Angeles Basin, Brian L. Ramaley, Gordon P. Treweek, Frank A. Grant and E. Wiley Horne, EE80:July 80:207
Water Reuse Markets and Project Costs in Southern California, Frank A. Grant, Norman G. Hixson, Paul Teigen and E. Wiley Horne, EE80:July 80:640

Canada
Road Salts Movement into Two Toronto Streams, William S. Scott, EE3:June 80:547:15468
A Ten Year Improvement in Water Quality in a Major Okanagan Valley Lake as a Result of Municipal Wastewater Phosphorus Reduction, Agris Berzins, EE80:July 80:627

Canals
Dynamic Water Quality Modeling in Southeast Florida, R. Uwe Jettmar, George K. Young, Armando I. Perez and Robert Oros, EE1:Feb 80:105:15173

Canneries
Anaerobic Digestion of Cannery Tomato Solid Wastes, David J. Hills and Ronald S. Dykstra, EE2:Apr 80:257:15318

Cation Exchange
Cation Transport in Packed Bed Reactor of Soil, Allen R. Overman, Brian R. McMahon, Rolan L. Chu and Flora C. Wang, EE2:Apr 80:267:15321
Containment of Heavy Metals with Natural Materials, Ronald E. Benson, Jr., EE80:July 80:69

Channel Design
Hydraulic Design of Flow Distribution Channels, Junn-Ling Chao and R. Rhodes Trussell, EE2:Apr 80:321:15317

Channelization
Modeling Waste Assimilation After Channelization, Edward C. Davis and Edward L. Thackston, EE80:July 80:153

Channels
Low Flow and Stormwater Quality in Urban Channels, Philip B. Bedient, Jeff L. Lambert and Paulo Machado, EE2:Apr 80:421:15336

Charcoal
Leach Characteristics of Coal-Gasification Char, Richard G. Luthy, Pantelis Vassiliou and Mark J. Carter, EE1:Feb 80:81:15171

Chelating Agents
The Effect of Complex Formation on the Removal of Heavy Metals from Water and Wastewater, C. P. Huang and A. R. Bowers, EE80:July 80:240

Chemical Equilibrium
Simulation of Lime-Soda Softening, Li-Shiang Liang, Irvine W. Wei and Henry G. Sideropoulos, EE5:Oct 80:935:15756

Chemical Removal (Sewage Treatment)
Managed On-Site Disposal in Unsewered Areas, George E. Wilson, Jerry Y.C. Huang, George Tchobanoglous and Gil Wheeler, EE3:June 79:583:14619

Chicago
Time Series Modeling of Chicago Particulates, William D. O'Neill, EE5:Oct 79:855:14887

Chlorides
Road Salts Movement into Two Toronto Streams, William S. Scott, EE3:June 80:547:15468

Chlorinated Hydrocarbon Pesticides
Organics in Water—An Engineering Challenge, Perry L. McCarty, EE1:Feb 80:1:15180

Chlorination
Control of Trihalomethanes Using Powdered Carbon, Mark C. Anderson, R. C. Butler, B. H. Kornegay and W. D. Pfoutz, EE80:July 80:378
Kinetics of Bacterial Deactivation with Chlorine, Robert E. Selleck, Bernard M. Saunier and Harvey F. Collins, EE6:Dec 78:1197:14247

Chlorine
Chlorine Effect on Secondary Effluent Filtration, Andrew K. Hsiung, TN: EE3:June 80:649:15447

Clarification
Effectiveness of Backwashing for Wastewater Filters, John L. Cleasby and James C. Lorence, EE4:Aug 78:749:13967
Treating Industrial Wastewater of Varying Quality and Quantity, Sydney H. Stilley, EE80:July 80:553

Classification
Classification of Hazardous Wastes, Albert J. Klee and Michael U. Flanders, EE1:Feb 80:163:15205

Coagulation
Judiciously Planned Bench Scale Studies are Extremely Valuable in AWT Process Selection, Madan L. Arora, Margaret J. Bliss and Ken M. Trompeter, EE80:July 80:100
Mathematical Modeling of Humic Substances Removal with Activated Carbon Beds, Michael C. Lee, John C. Crittenden, Vernon L. Snoeyink and William E. Thacker, EE80:July 80:387
Performance of Package Water Treatment Plants, James M. Morand and Matthew J. Young, EE80:July 80:526

Coal
Zero Discharge Waste Management for a Coal-Fired Power Plant under Environmental and Resource Constraints, R. T. Fellman, M. F. Kuo, H. H. Yeh and J. F. Fitzpatrick, EE80:July 80:221

Coal Gasification
Biological Treatment of Synthetic Fuel Wastewater, Richard G. Luthy, Deborah J. Sekel and James T. Tallon, EE3:June 80:609:15459
Leach Characteristics of Coal-Gasification Char, Richard G. Luthy, Pantelis Vassiliou and Mark J. Carter, EE1:Feb 80:81:15171

Coefficients
Laboratory Studies of Gas Tracers for Reaeration, Ronald E. Rathbun, D. W. Stephens, David J. Shultz and D. Y. Tai, EE2:Apr 78:215:13679

Coking
Biological Oxidation of Coke Plant Effluent, Richard G. Luthy and Lisa D. Jones, TN: EE4:Aug 80:847:15588

Cold Weather Operations
Spray Application of Wastewater Effluent in a Cold Climate: Performance Evaluation of a Full-Scale Plant, E. Allan Cassell, Donald W. Meals, J. R. Bouzoun, C. James Martel and Wallace A. Bronson, EE80:July 80:620

Coliform Bacteria
Combined Sewer Overflow Controls for Boston Harbor, John R. Elwood, William F. Callahan and John A. Mueller, EE80:July 80:464
Control of Stormwater Runoff in a Rural Area, Pamela B. Katz, John A. Ripp and Deborah K. Martin, EE80:July 80:372
Modeling Storm Overflow Impacts on Eutrophic Lake, Paul L. Freedman, Raymond P. Canale and James F. Pendergast, EE2:Apr 80:335:15355

Combined Sewers
Calculating Overflows from Combined Sewer Systems, Kirke E. Larson, EE5:Oct 79:829:14883
Combined Sewer Overflow Controls for Boston Harbor, John R. Elwood, William F. Callahan and John A. Mueller, EE80:July 80:464
Modeling Combined Sewer Storage Alternatives, Hagop L. Shahabian, Anthony J. Graham and George E. Kamedulski, EE80:July 80:480
Modeling Storm Overflow Impacts on Eutrophic Lake, Paul L. Freedman, Raymond P. Canale and James F. Pendergast, EE2:Apr 80:335:15355
Stormwater Interception and Storage, Dominic M. Di Toro and Mitchell J. Small, EE1:Feb 79:43:14368
Storm Water Treatment with Minor Plant Alterations, George R. Brower, Robert H. Brotherton and John B. Kincaid, EE80:July 80:472

Composting
Biological Drying of Sewage Sludge—A New Composting Process, F. C. Miller, S. T. McGregor, M. S. Finstein and J. Cirello, EE80:July 80:40

Composts
Biological Drying of Sewage Sludge—A New Composting Process, F. C. Miller, S. T. McGregor, M. S. Finstein and J. Cirello, EE80:July 80:40

Computer Applications
Sensitivity Analyses of Wastewater Treatment Plant Design Parameters, Karl G. Voelkel and Lawrence B. Polkowski, EE80:July 80:307

Computer Graphics
Water Quality Modeling Using Computer Graphics, Peter N. French and Daniel P. Loucks, EE80:July 80:138

Computerized Design
Sensitivity Analyses of Wastewater Treatment Plant Design Parameters, Karl G. Voelkel and Lawrence B. Polkowski, EE80:July 80:307

Computerized Simulation
Modeling Combined Sewer Storage Alternatives, Hagop L. Shahabian, Anthony J. Graham and George E. Kamedulski, EE80:July 80:480

Computer Models
Potential for Water Reuse—A Computer Model, Ed Smith, Steve Shelton, Manette Messenger and Barry Peterman, EE80:July 80:634
Simulation of Lime-Soda Softening, Li-Shiang Liang, Irvine W. Wei and Henry G. Sideropoulos, EE5:Oct 80:935:15756
Water Quality Modeling Using Computer Graphics, Peter N. French and Daniel P. Loucks, EE80:July 80:138

Computer Programs
Modeling Combined Sewer Storage Alternatives, Hagop L. Shahabian, Anthony J. Graham and George E. Kamedulski, EE80:July 80:480

Computers
Water Quality Modeling Using Computer Graphics, Peter N. French and Daniel P. Loucks, EE80:July 80:138

Concentration
Applicability of Kynch Theory to Flocculent Suspensions, Byong S. Shin and Richard I. Dick, EE3:June 80:505:15461

Confined Environments
Methodology for Effluent Water Quality Prediction, Bert A. Eichenberger and Kenneth Y. Chen, EE1:Feb 80:197:15212

Connecticut
Control of Stormwater Runoff in a Rural Area, Pamela B. Katz, John A. Ripp and Deborah K. Martin, EE80:July 80:372

Consolidation
Leachate Generation from a Sludge Disposal Area, Wayne A. Charlie, Richard E. Wardwell and Orlando B. Andersland, EE5:Oct 79:947:14884

Construction
Control of Construction Noise, Stan Potter and A. Paolillo, EE80:July 80:421
Highway Construction Impact on Water-Supply Lakes, Kok-Heng Tan and Dhandapani Thirumurthi, EE5:Oct 78:997:14052

Construction Procedure
Control of Construction Noise, Stan Potter and A. Paolillo, EE80:July 80:421

Contamination
Biological Contamination of Finished Water Reservoirs, J. Sykora, Maurice A. Shapiro and G. Keleti, EE80:July 80:267

Control Charts
Industrial Waste Monitoring: A Statistical Approach, Gerald W. Foess and Wayne St. John, EE5:Oct 80:947:15758

Convection
Underground Travel of Renovated Wastewater, Robert C. Rice and Peter Raats, EE6:Dec 80:1079:15912

Cost Effectiveness
Regional Resource Recovery Center Cost Analysis, Paul L. Bishop, Elizabeth Howard, Marcia Flinkstrom, Cindy White and Robert Cook, EE5:Oct 80:977:15760
Storm Water Treatment with Minor Plant Alterations, George R. Brower, Robert H. Brotherton and John B. Kincaid, EE80:July 80:472

Costs
Anaerobic Digestion of Waste and Activated Sludge, James M. Gossett and Roy L. Belser, EE80:July 80:33
Comparison of Tangibles and Intangibles, Ian G. Wallis, EE4:Aug 78:625:13959
Cost Interactions in Activated Sludge Systems, Michael K. Stenstrom and John F. Andrews, EE4:Aug 80:787:15627
Economic Analysis of Granular-Bed Filtration, Raymond D. Letterman, EE2:Apr 80:279:15337
Energy and Costs for Agricultural Reuse of Wastewater, R. S. Sletten, Sherwood C. Reed and Eddie J. Middlebrooks, EE80:July 80:339
Modeling Combined Sewer Storage Alternatives, Hagop L. Shahabian, Anthony J. Graham and George E. Kamedulski, EE80:July 80:480
Sewage Treatment Costs: Assessing the Impact on Communities, Lawrence B. Cahill and Heather L. Burns, EE80:July 80:191
Water Reuse Markets and Project Costs in Southern California, Frank A. Grant, Norman G. Hixson, Paul Teigen and E. Wiley Horne, EE80:July 80:640
Zero Discharge Waste Management for a Coal-Fired Power Plant under Environmental and Resource Constraints, R. T. Fellman, M. F. Kuo, H. H. Yeh and J. F. Fitzpatrick, EE80:July 80:221

Crude Oil
Distribution of Oil Pollution Residues, Ian A. Furzer, EE6:Dec 80:1171:15904

Cyanides
Pretreatment Case Studies of Metal Finishers, John E. Eason, EE80:July 80:229

Data Processing
Data Systems for Reuse Planning, David H. Bauer, EE80:July 80:644

Decision Making
Aerosols in the Treatment Plant Environment, C. Richard Walter and Guy D. Van Doren, EE80:July 80:488

Deicing
Road Salts Movement into Two Toronto Streams, William S. Scott, EE3:June 80:547:15468

Denitrification
Energy Conservation in Activated Sludge Systems, Sal D'Angelo, H. David Stensel and J. C. Goldman, EE4:Aug 80:773:15636
A Streamlined Approach to Biological Nitrogen Removal, Laurence J. Sauter, Jr. and James E. Alleman, EE80:July 80:296

Deoxygenation
In-Stream Deoxygenation Rate Prediction, Raymond M. Wright and Archie J. McDonnell, EE2:Apr 79:323:14523
Modeling Pollution in Strait of Maracaibo, Gustavo Parra-Pardi, EE5:Oct 80:959:15751

Desalination
Water Source Investigation for Newport News, Va., Robert C. Dolecki, Richard E. Underhill and James A. Rhodes, EE80:July 80:249

Design Criteria
Analysis and Design of Equalization Facilities, Gilles G. Patry, EE80:July 80:183
Engineering Design Variables for the Activated Sludge Process, Lloyd W. Weller, Chmn., EE3:June 80:473:15509
Extended Aeration Treatment at Maryland State Parks, James E. Alleman and Joanne S. Colt, EE80:July 80:175
Rational Design of Overland Flow Systems, C. James Martel, D. Dean Adrian, Thomas F. Jenkins and Robert E. Peters, EE80:July 80:114
A Review of Design Fundamentals is Needed, Mark J. Hammer, EE80:July 80:167
Siting of Hazardous Waste Management Facilities, Dawn D. Roderique and Timothy D. Van Epp, EE80:July 80:320

Detention Reservoirs
Performance of Package Water Treatment Plants, James M. Morand and Matthew J. Young, EE80:July 80:526
Rational Design of Overland Flow Systems, C. James Martel, D. Dean Adrian, Thomas F. Jenkins and Robert E. Peters, EE80:July 80:114
Stormwater Detention in Developing Watersheds, Christopher B. Amandes and Philip B. Bedient, EE2:Apr 80:403:15335

Dewatering
Moisture Retention of Landfilled Solid Wastes, Raymond L. Huitric, Sagar Raksit and Roger T. Haug, EE80:July 80:55

Diatomaceous Earth
Filtration for Treating Metal-Finishing Wastes, Charles H.H. Yeh and Mriganka M. Ghosh, EE80:July 80:546

Diffusion
Mathematical Modeling of the Displacement of Preadsorbed Organics in Fixed-Bed Adsorbers, John C. Crittenden, Bryant W.C. Wong, William E. Thacker, Vernon L. Snoeyink and Richard L. Hinrichs, EE80:July 80:274

Digesters
Digester Gas Utilization Programs, Raymond R. Rimkus, John M. Ryan and Alfred J. Michuda, EE6:Dec 80:1071:15902

Discharge
Zero Discharge Waste Management for a Coal-Fired Power Plant under Environmental and Resource Constraints, R. T. Fellman, M. F. Kuo, H. H. Yeh and J. F. Fitzpatrick, EE80:July 80:221

Diseases
Wastewater Risk Assessment, Neil J. Hutzler and William C. Boyle, EE5:Oct 80:919:15748

Disinfection
Kinetics of Bacterial Deactivation with Chlorine, Robert E. Selleck, Bernard M. Saunier and Harvey F. Collins, EE6:Dec 78:1197:14247

Dispersion
Atmospheric Sublayer Transport and Odor Control, George E. Wilson, Jerry Y.C. Huang and Terry W. Schroepfer, EE2:Apr 80:389:15358
Design Criteria for Aerobic Aerated Lagoons, Dhandapani Thirumurthi, EE1:Feb 79:135:14392
Dispersion Modeling in Time and Two Dimensions, Jonathan F. Henry and Edward G. Force, EE6:Dec 79:1131:15054
Evaluating Odor Reduction Technologies: Model, Robert C. Balling, Jr. and Carroll E. Reynolds, EE5:Oct 80:901:15743

Dissolved Oxygen
Low Flow and Stormwater Quality in Urban Channels, Philip B. Bedient, Jeff L. Lambert and Paulo Machado, EE2:Apr 80:421:15336
Mathematical Modeling of Dissolved Oxygen in Mixed Estuaries, Yasar F. Ozturk, EE5:Oct 79:883:14923
Modeling Pollution in Strait of Maracaibo, Gustavo Parra-Pardi, EE5:Oct 80:959:15751
Modeling Waste Assimilation After Channelization, Edward C. Davis and Edward L. Thackston, EE80:July 80:153
Oxygen Transfer Measurements in Respiring Systems, John R. Stukenberg, EE80:July 80:78

Dissolved Solids
Oxygen Transfer Standard—Basin Geometry and Mixing (Abstract), Thomas C. Rooney and Ronald N. Salzman, EE80:July 80:94

Distribution Functions
Multiattribute Utility Theory and Environmental Decisions, John P. Collins and Eugene A. Glysson, EE4:Aug 80:815:15648

Drainage
Dynamic Water Quality Modeling in Southeast Florida, R. Uwe Jettmar, George K. Young, Armando I. Perez and Robert Oros, EE1:Feb 80:105:15173

Drainage Systems
Ground-Water Pollution by Septic Tank Drainfields, Foppe B. DeWalle and Russell M. Schaff, EE3:June 80:631:15496

Dredge Spoil
Methodology for Effluent Water Quality Prediction, Bert A. Eichenberger and Kenneth Y. Chen, EE1:Feb 80:197:15212

Dye Releases
Hydraulic Analysis of Model Treatment Units, Frederick L. Hart and Santosh K. Gupta, EE4:Aug 78:785:13955

Economic Analysis
Demonstration d-RDF Burn GSA Pentagon Power Plant, H. M. Freeman, Jay Campbell and M. A. Golembiewski, EE80:July 80:598

Energy Recovery From Waste and Biomass—Site Specific Economic Studies, Roger C. Bales, Ira J. Wright and Lory E. Larson, EE80:July 80:582
Small Water Systems: Role of Technology, Robert M. Clark, EE1:Feb 80:19:15181
Water Source Investigation for Newport News, Va., Robert C. Dolecki, Richard E. Underhill and James A. Rhodes, EE80:July 80:249

Economic Impact
Sewage Treatment Costs: Assessing the Impact on Communities, Lawrence B. Cahill and Heather L. Burns, EE80:July 80:191

Economics
Codisposal of Sludge and Refuse, William F. Cosulich and Miro Dvirka, EE80:July 80:592
Expansion of Effluent Constrained Treatment Plants, Brian J. Williams, EE3:June 80:571:15469

Ecosystems
Modeling of PCB Fate in the Hudson River System, Robert V. Thomann, Paul C. Pacquin and James J. Fitzpatrick, EE80:July 80:130
Modeling Suspended Solids and Associated Bacteria in Natural Water Systems, Christopher G. Uchrin and Walter J. Weber, Jr., EE80:July 80:160

Electrical Resistivity
Indirect Techniques for Investigating Hazardous Waste Burial Sites, Richard C. Dorrler, EE80:July 80:576

Electroplating
Comparative Metals Precipitation Techniques, Lynn P. Croy and William R. Knocke, EE80:July 80:534
Vacuum Filtration of Metal Hydroxide Sludges, William R. Knocke, Mriganka M. Ghosh and John T. Novak, EE2:Apr 80:363:15363

Embedded Materials
Ozone Inactivation of Floc Associated Viruses and Bacteria, Douglas S. Walsh, Charles E. Buck and Otis J. Sproul, EE4:Aug 80:711:15601

Energy
Energy and Costs for Agricultural Reuse of Wastewater, R. S. Sletten, Sherwood C. Reed and Eddie J. Middlebrooks, EE80:July 80:339
Water Quality, Energy, Legislation: Challenge of the 80's, Carmen F. Guarino, EE80:July 80:1

Energy Conservation
Biological Drying of Sewage Sludge—A New Composting Process, F. C. Miller, S. T. McGregor, M. S. Finstein and J. Cirello, EE80:July 80:40
Codisposal of Sludge and Refuse, William F. Cosulich and Miro Dvirka, EE80:July 80:592
Digester Gas Utilization Programs, Raymond R. Rimkus, John M. Ryan and Alfred J. Michuda, EE6:Dec 80:1071:15902
Energy and Costs for Agricultural Reuse of Wastewater, R. S. Sletten, Sherwood C. Reed and Eddie J. Middlebrooks, EE80:July 80:339
Energy Conservation in Activated Sludge Systems, Sal D'Angelo, H. David Stensel and J. C. Goldman, EE4:Aug 80:773:15636
Energy Recovery From Waste and Biomass—Site Specific Economic Studies, Roger C. Bales, Ira J. Wright and Lory E. Larson, EE80:July 80:582
The Impacts of the Resource Conservation and Recovery Act on Wood Fired Energy Systems, Hugh T. Carson and Dennis W. Weeter, EE80:July 80:508

Energy Storage
Energy Recovery From Waste and Biomass—Site Specific Economic Studies, Roger C. Bales, Ira J. Wright and Lory E. Larson, EE80:July 80:582

Enteroviruses
Wastewater Risk Assessment, Neil J. Hutzler and William C. Boyle, EE5:Oct 80:919:15748

Entrances (Fluid Flow)
Hydraulic Design of Flow Distribution Channels, Junn-Ling Chao and R. Rhodes Trussell, EE2:Apr 80:321:15317

Environmental Effects
Effective Sludge Disposal — A Question of Policy, Martin Lang, EE80:July 80:664
Location and Remediation of Abandoned Hazardous Wastes Sites, Norman H. Nosenchuck, EE80:July 80:560
Synfuel Facilities: Environmental Control Strategies, Warren H. Chesner and Howard Wiseman, EE80: July 80:504

Environmental Engineering
Organics in Water—An Engineering Challenge, Perry L. McCarty, EE1:Feb 80:1:15180
State of the Journal, Otis J. Sproul, Chmn., EE6:Dec 80:1013:15930
Statistical Reliability of Ambient Noise Surveys, Daniel A. Driscoll and William J. Webster, EE80: July 80:399
Waikato River Pollutant Flushing Rates, J. C. Rutherford, M. E.U. Taylor and J. D. Davies, EE6: Dec 80:1131:15939

Environmental Factors
Broad Area Searches for Hazardous Waste Disposal, Allen W. Hatheway, Pickett T. Simpson and John L. Splendore, EE80:July 80:329
Control of Trihalomethanes Using Powdered Carbon, Mark C. Anderson, R. C. Butler, B. H. Kornegay and W. D. Pfoutz, EE80:July 80:378
Effective Sludge Disposal — A Question of Policy, Martin Lang, EE80:July 80:664
Environmental Optimization of Power Lines, Spyros Economides and Manijeh Sharifi, EE4:Aug 78:675: 13951
Modeling Effects of Environmental Stresses due to Industrial Wastes on Gas Production by Landfill Sediments, S. Roychowdhury, L. Y. Young, D. Cox, J. Powers, J. Sharkey and M. Levandowsky, EE80:July 80:75
Multiattribute Utility Theory and Environmental Decisions, John P. Collins and Eugene A. Glysson, EE4:Aug 80:815:15648
Nonpoint Source Loads and Impacts to a Water Supply Reservoir, Charles J. Newell and Philip B. Bedient, EE80:July 80:364
Statistical Reliability of Ambient Noise Surveys, Daniel A. Driscoll and William J. Webster, EE80: July 80:399

Environmental Impact Statements
Dispersion Modeling in Time and Two Dimensions, Jonathan F. Henry and Edward G. Foree, EE6:Dec 79:1131:15054
Formulating Alternatives for Environmental Studies, David R. Boone, EE3:June 80:527:15486
Synfuel Facilities: Environmental Control Strategies, Warren H. Chesner and Howard Wiseman, EE80: July 80:504
A Systematic Approach to Landfill Evaluation, D. Randy Junkins and Michael H. Corbin, EE80:July 80:50

Environmental Quality
Port Valdez Environmental Studies: 1976-1978, Joseph M. Colonell, EE5:Oct 80:907:15738

Environmental Quality Regulations
Multiattribute Utility Theory and Environmental Decisions, John P. Collins and Eugene A. Glysson, EE4:Aug 80:815:15648

Equalizing Reservoirs
Analysis and Design of Equalization Facilities, Gilles G. Patry, EE80:July 80:183

Error Functions
Dispersion Modeling in Time and Two Dimensions, Jonathan F. Henry and Edward G. Foree, EE6:Dec 79:1131:15054

Estimation
Dynamic Estimation of Settling Basin Performance, Sadataka Shiba, Yoriteru Inoue and Yasuyo Ueda, EE6:Dec 79:1113:15045
River Nutrient and Chemical Transport Estimation, Frank H. Verhoff, Stephen M. Yaksich and David A. Melfi, EE3:June 80:591:15456

Estuaries
Distribution of Oil Pollution Residues, Ian A. Furzer, EE6:Dec 80:1171:15904
Estuarine Sediments: Successional Model, Kenneth J. Williamson and David A. Bella, EE4:Aug 80:695:15595
Mathematical Modeling of Dissolved Oxygen in Mixed Estuaries, Yasar F. Ozturk, EE5:Oct 79:883:14923
Modeling of PCB Fate in the Hudson River System, Robert V. Thomann, Paul C. Pacquin and James J. Fitzpatrick, EE80:July 80:130
Simulation of Sulfur Cycle in Estuarine Sediments, David A. Bella and Kenneth J. Williamson, EE1:Feb 80:125:15174

Eutrophication
Eutrophication-Related Water Quality in Dillon Reservoir, H. Kirk Horstman, G. Fred Lee and R. Anne Jones, EE80:July 80:144
Index To Evaluate Lake Restoration, Donald B. Porcella, Spencer A. Peterson and David P. Larsen, EE6:Dec 80:1151:15893
A Ten Year Improvement in Water Quality in a Major Okanagan Valley Lake as a Result of Municipal Wastewater Phosphorus Reduction, Agris Berzins, EE80:July 80:627

Evaluation
A Systematic Approach to Landfill Evaluation, D. Randy Junkins and Michael H. Corbin, EE80:July 80:50

Evaporation Tanks
Case Study of a Hazardous Waste Disposal Facility, David E. Murray, EE80:July 80:433

Evapotranspiration
Evapotranspiration Bed Design, Arthur F. Beck, TN: EE2:Apr 79:411:14474

Experimental Design
Hydraulic Analysis of Model Treatment Units, Frederick L. Hart and Santosh K. Gupta, EE4:Aug 78:785:13955

Explosives
Disposal of Hazardous Toxic Munition Waste, Irving Forsten, EE80:July 80:440

Failure
Multichamber Septic Tanks, Rein Laak, EE3:June 80:539:15472

Feces
Modeling Storm Overflow Impacts on Eutrophic Lake, Paul L. Freedman, Raymond P. Canale and James F. Pendergast, EE2:Apr 80:335:15355

Federal Aid
Modeling Framework to Address AWT Decisions, Thomas W. Gallagher and Richard P. Winfield, EE80:July 80:604

Federal Laws
Formulating Alternatives for Environmental Studies, David R. Boone, EE3:June 80:527:15486
The Impacts of the Resource Conservation and Recovery Act on Wood Fired Energy Systems, Hugh T. Carson and Dennis W. Weeter, EE80:July 80:508
RCRA Implementation and the Environmental Engineer's Role, John Lynch, EE80:July 80:199

Fermentation
Modeling Toxicity in Methane Fermentation Systems, Gene F. Parkin and Richard E. Speece, EE80:July 80:288

Field Tests
Ground-Water Quality at Rapid Infiltration Site, James V. Olson, Ronald W. Crites and Paul E. Levine, EE5:Oct 80:885:15768
Moisture Retention of Landfilled Solid Wastes, Raymond L. Huitric, Sagar Raksit and Roger T. Haug, EE80:July 80:55
Soil Chemistry Changes at Rapid Infiltration Site, Paul E. Levine, Ronald W. Crites and James V. Olson, EE5:Oct 80:869:15767

Filters
High-Rate Filtration in Polymer-Treated Sand Bed, John J. Byeseda and Nicholas D. Sylvester, EE2:Apr 79:231:14525
Lime Use in Anaerobic Filters, Graham J. Brown, Kuran-Chow Lin, Robert C. Landine, Albert A. Cocci and Thiruvenkatachari Viraraghavan, TN: EE4:Aug 80:837:15588
Optimum Backwashing of Sand Filters, Appiah Amirtharajah, EE5:Oct 78:917:14078

Filter Stones
Upgrading Lagoon Effluents with Rock Filters, Gregory R. Swanson and Kenneth J. Williamson, EE6:Dec 80:1111:15887

Filtration
Chlorine Effect on Secondary Effluent Filtration, Andrew K. Hsiung, TN: EE3:June 80:649:15447
Declining-Rate Versus Constant-Rate Filtration, Luiz Di Bernardo and John L. Cleasby, EE6:Dec 80:1023:15891
Economic Analysis of Granular-Bed Filtration, Raymond D. Letterman, EE2:Apr 80:279:15337
Effectiveness of Backwashing for Wastewater Filters, John L. Cleasby and James C. Lorence, EE4:Aug 78:749:13967
Filtration for Treating Metal-Finishing Wastes, Charles H.H. Yeh and Mriganka M. Ghosh, EE80:July 80:546
High-Rate Filtration in Polymer-Treated Sand Bed, John J. Byeseda and Nicholas D. Sylvester, EE2:Apr 79:231:14525
Hydraulic Considerations in Declining-Rate Filtration, John L. Cleasby and Luiz Di Bernardo, EE6:Dec 80:1043:15892
Judiciously Planned Bench Scale Studies are Extremely Valuable in AWT Process Selection, Madan L. Arora, Margaret J. Bliss and Ken M. Trompeter, EE80:July 80:100
Optimum Backwashing of Sand Filters, Appiah Amirtharajah, EE5:Oct 78:917:14078

Financing
Sewage Treatment Costs: Assessing the Impact on Communities, Lawrence B. Cahill and Heather L. Burns, EE80:July 80:191

Fixed-Bed Models
Model for Design of Multicomponent Adsorption Systems, John C. Crittenden and Walter J. Weber, Jr., EE6:Dec 78:1175:14230
Organics Removal by Ion Exchange-Process Design, Christine Ann Macko and Walter J. Maier, EE80:July 80:394

Flocculants
Applicability of Kynch Theory to Flocculent Suspensions, Byong S. Shin and Richard I. Dick, EE3:June 80:505:15461

Flocculating
Kinetic Model for Flocculation with Polymers, Peter M. Huck and Keith L. Murphy, EE4:Aug 78:767:13950

Flocculation
Judiciously Planned Bench Scale Studies are Extremely Valuable in AWT Process Selection, Madan L. Arora, Margaret J. Bliss and Ken M. Trompeter, EE80:July 80:100
Pretreatment Case Studies of Metal Finishers, John E. Eason, EE80:July 80:229
A Review of Design Fundamentals is Needed, Mark J. Hammer, EE80:July 80:167

Flow Distribution
Hydraulic Design of Flow Distribution Channels, Junn-Ling Chao and R. Rhodes Trussell, EE2:Apr 80:321:15317

Flow Duration Curves
Nutrient Budget Analysis for Rend Lake in Illinois, Veerasamy Kothandaraman and Ralph L. Evans, EE3:June 79:547:14616

Flow Patterns
Ideal Flow Patterns for Equalization Basins, Ely Anthony R. Ouano, TN: EE4:Aug 78:817:13913

Flow Resistance
Dividing-Flow Manifolds with Square-Edged Laterals, Herbert E. Hudson, Jr., Robert B. Uhler and Robert W. Bailey, EE4:Aug 79:745:14764

Flow Separation
Dividing-Flow Manifolds with Square-Edged Laterals, Herbert E. Hudson, Jr., Robert B. Uhler and Robert W. Bailey, EE4:Aug 79:745:14764

Fluid Flow
Stochastic Design of Flow Equilization Basins, Campbell D. MacInnes, Andrew C. Middleton and Kazimierz Adamowski, EE6:Dec 78:1275:14251

Fluidized Bed Processing
Fluidized Bed for Biological Wastewater Treatment, Theodore C. Stathis, EE1:Feb 80:227:15215

Fluidized Bed Processors
Codisposal of Sludge and Refuse, William F. Cosulich and Miro Dvirka, EE80:July 80:592
Disposal of Hazardous Toxic Munition Waste, Irving Forsten, EE80:July 80:440
Fluidized Bed for Biological Wastewater Treatment, Theodore C. Stathis, EE1:Feb 80:227:15215

Fluidizing
Optimum Backwashing of Sand Filters, Appiah Amirtharajah, EE5:Oct 78:917:14078

Fluoridation
Water Defluoridation with Activated Alumina, Yeun C. Wu and Anan Nitya, EE2:Apr 79:357:14544

Fluorides
Fluoride, Nitrate, Arsenic, and Selenium Removal From Small Community Water Supplies, Dennis Clifford, Maheyar Bilimoria, Gurinder Singh and Tom Sorg, EE80:July 80:514
Water Defluoridation with Activated Alumina, Yeun C. Wu and Anan Nitya, EE2:Apr 79:357:14544

Fly Ash
Containment of Heavy Metals with Natural Materials, Ronald E. Benson, Jr., EE80:July 80:69
The Impacts of the Resource Conservation and Recovery Act on Wood Fired Energy Systems, Hugh T. Carson and Dennis W. Weeter, EE80:July 80:508

Forage Grasses
Forage Grass Growth on Overland Flow Systems, Antonio J. Palazzo, C. James Martel and Thomas F. Jenkins, EE80:July 80:347

Forecasting
Prediction of Septic-System Failures, Gary B. Saxton and Joseph M. Zeneski, EE3:June 79:503:14609
Water Quality, Energy, Legislation: Challenge of the 80's, Carmen F. Guarino, EE80:July 80:1

Fuels
Demonstration d-RDF Burn GSA Pentagon Power Plant, H. M. Freeman, Jay Campbell and M. A. Golembiewski, EE80:July 80:598
The Impacts of the Resource Conservation and Recovery Act on Wood Fired Energy Systems, Hugh T. Carson and Dennis W. Weeter, EE80:July 80:508
Synfuel Facilities: Environmental Control Strategies, Warren H. Chesner and Howard Wiseman, EE80: July 80:504

Funding Allocations
Water Reuse Markets and Project Costs in Southern California, Frank A. Grant, Norman G. Hixson, Paul Teigen and E. Wiley Horne, EE80:July 80:640

Gas Distribution
Digester Gas Utilization Programs, Raymond R. Rimkus, John M. Ryan and Alfred J. Michuda, EE6:Dec 80:1071:15902

Gas Flow
Numerical Simulation of Gas Flow in Sanitary Landfills, Angelos N. Findikakis and James O. Leckie, EE5:Oct 79:927:14896

Gas Production
Leachate Recycle as Landfill Management Option, Frederick G. Pohland, EE6:Dec 80:1057:15899
Modeling Effects of Environmental Stresses due to Industrial Wastes on Gas Production by Landfill Sediments, S. Roychowdhury, L. Y. Young, D. Cox, J. Powers, J. Sharkey and M. Levandowsky, EE80:July 80:75

Gastrointestinal Diseases
Biological Contamination of Finished Water Reservoirs, J. Sykora, Maurice A. Shapiro and G. Keleti, EE80:July 80:267

Glacial Till
Case Study of a Hazardous Waste Disposal Facility, David E. Murray, EE80:July 80:433

Grid Systems
Environmental Optimization of Power Lines, Spyros Economides and Manijeh Sharifi, EE4:Aug 78:675: 13951

Ground Water
Case Study of a Hazardous Waste Disposal Facility, David E. Murray, EE80:July 80:433
Dual Recharge Well for Water Supply Stabilization, William H. Fleming, Jr. and Gerald E. Speitel, EE80:July 80:257
Ground-Water Quality at Rapid Infiltration Site, James V. Olson, Ronald W. Crites and Paul E. Levine, EE5:Oct 80:885:15768
Soil Chemistry Changes at Rapid Infiltration Site, Paul E. Levine, Ronald W. Crites and James V. Olson, EE5:Oct 80:869:15767
Underground Travel of Renovated Wastewater, Robert C. Rice and Peter Raats, EE6:Dec 80:1079: 15912

Groundwater Flow
Underground Travel of Renovated Wastewater, Robert C. Rice and Peter Raats, EE6:Dec 80:1079: 15912

Groundwater Quality
Dispersion Modeling in Time and Two Dimensions, Jonathan F. Henry and Edward G. Force, EE6:Dec 79:1131:15054
Ground-Water Pollution by Septic Tank Drainfields, Foppe B. DeWalle and Russell M. Schaff, EE3:June 80:631:15496
Ground-Water Quality at Rapid Infiltration Site, James V. Olson, Ronald W. Crites and Paul E. Levine, EE5:Oct 80:885:15768

Land Treatment Design Based on Long-Term Operation, Daniel J. Hinrichs and Richard Thomas, EE80:July 80:355
Secure Land Burial of Hazardous Wastes: A State-of-the-Art Example, Robert D. Mutch, Jr., EE80:July 80:426

Ground Water Recharge
Use of Highly-Treated Wastewater to Recharge the Ground-Water Reservoir in Nassau County, Long Island, New York, David A. Aronson, EE80:July 80:214
Water Reuse Markets and Project Costs in Southern California, Frank A. Grant, Norman G. Hixson, Paul Teigen and E. Wiley Horne, EE80:July 80:640

Groundwater Supply
Use of Highly-Treated Wastewater to Recharge the Ground-Water Reservoir in Nassau County, Long Island, New York, David A. Aronson, EE80:July 80:214

Growth Projections
Secondary Treatment Alternatives: Suspended Growth, Gordon L. Culp, Chmn., EE2:Apr 79:283:14528

Halogen Organic Compounds
Air Pollution Aspects of Land Disposal of Toxic Wastes, Thomas T. Shen and T. James Tofflemire, EE1:Feb 80:211:15213

Harbors
Combined Sewer Overflow Controls for Boston Harbor, John R. Elwood, William F. Callahan and John A. Mueller, EE80:July 80:464

Hazardous Materials
Broad Area Searches for Hazardous Waste Disposal, Allen W. Hatheway, Pickett T. Simpson and John L. Splendore, EE80:July 80:329
Case Study of a Hazardous Waste Disposal Facility, David E. Murray, EE80:July 80:433
Classification of Hazardous Wastes, Albert J. Klee and Michael U. Flanders, EE1:Feb 80:163:15205
Hospital Solid Waste Management: A Case Study, Damodar S. Airan, John H. Bell, Lalita D. Airan and Daniel T. McMurray, EE4:Aug 80:741:15613
The Impacts of the Resource Conservation and Recovery Act on Wood Fired Energy Systems, Hugh T. Carson and Dennis W. Weeter, EE80:July 80:508
Indirect Techniques for Investigating Hazardous Waste Burial Sites, Richard C. Dorrler, EE80:July 80:576
Installation Restoration—An Army Initiative, Frank A. Jones, Jr., Donald K. Emig and John P. Glennon, EE80:July 80:571
Location and Remediation of Abandoned Hazardous Wastes Sites, Norman H. Nosenchuck, EE80:July 80:560
The Love Canal Remedial Action Report, Joseph L. Slack, EE80:July 80:564
Management of Hazardous Waste Using Regional Concepts, Richard A. Gardner and Mahlon B. White, EE80:July 80:453
NEWCO and SCA — Harbingers for Future Hazardous Waste Siting Wrangles?, Peter N. Skinner, EE80:July 80:657
RCRA Implementation and the Environmental Engineer's Role, John Lynch, EE80:July 80:199
Secure Land Burial of Hazardous Wastes: A State-of-the-Art Example, Robert D. Mutch, Jr., EE80:July 80:426
Siting of Hazardous Waste Management Facilities, Dawn D. Roderique and Timothy D. Van Epp, EE80:July 80:320

Heat Treatment
Heat Treatment and Vacuum Filtration of Metal-Laden Municipal Sludge, Bert L. Michalczyk and Ronald F. Wukasch, EE80:July 80:25

Heavy Metals
Comparative Metals Precipitation Techniques, Lynn P. Croy and William R. Knocke, EE80:July 80:534
Containment of Heavy Metals with Natural Materials, Ronald E. Benson, Jr., EE80:July 80:69
The Effect of Complex Formation on the Removal of Heavy Metals from Water and Wastewater, C. P. Huang and A. R. Bowers, EE80:July 80:240
Installation Restoration—An Army Initiative, Frank A. Jones, Jr., Donald K. Emig and John P. Glennon, EE80:July 80:571
Modeling Effects of Environmental Stresses due to Industrial Wastes on Gas Production by Landfill Sediments, S. Roychowdhury, L. Y. Young, D. Cox, J. Powers, J. Sharkey and M. Levandowsky, EE80:July 80:75
Municipal/Industrial Waste Landfill Simulators, James J. Walsh, Riley N. Kinman and Nancy S. Neely, EE80:July 80:62
Pretreatment Case Studies of Metal Finishers, John E. Eason, EE80:July 80:229
Pretreatment of Sewage for Heavy Metal Removals, Ju-Chang Huang and Patrick M. McCole, EE80:July 80:236
Trenching of Digested Sludge, L. J. Sikora, N. H. Frankos, C. M. Murray and J. M. Walker, EE2:Apr 80:351:15310

Hepatitis
Wastewater Risk Assessment, Neil J. Hutzler and William C. Boyle, EE5:Oct 80:919:15748

Highways
Highway Construction Impact on Water-Supply Lakes, Kok-Heng Tan and Dhandapani Thirumurthi, EE5:Oct 78:997:14052

Homogeneity
Pollutant Concentrations form Homogenous Land Uses, Irwin Polls and Richard Lanyon, EE1:Feb 80:69:15169

Hospitals
Hospital Solid Waste Management: A Case Study, Damodar S. Airan, John H. Bell, Lalita D. Airan and Daniel T. McMurray, EE4:Aug 80:741:15613

Hudson River
Modeling of PCB Fate in the Hudson River System, Robert V. Thomann, Paul C. Pacquin and James J. Fitzpatrick, EE80:July 80:130

Humus
Mathematical Modeling of Humic Substances Removal with Activated Carbon Beds, Michael C. Lee, John C. Crittenden, Vernon L. Snoeyink and William E. Thacker, EE80:July 80:387

Humus Soils
Transport of Viruses through Organic Soils and Sediments, Phillip R. Scheuerman, Gabriel Bitton, Allen R. Overman and George E. Gifford, EE4:Aug 79:629:14756

Hydraulic Models
Hydraulic Analysis of Model Treatment Units, Frederick L. Hart and Santosh K. Gupta, EE4:Aug 78:785:13955

Hydraulics
Hydraulic Considerations in Declining-Rate Filtration, John L. Cleasby and Luiz Di Bernardo, EE6:Dec 80:1043:15892

Illinois
Nutrient Budget Analysis for Rend Lake in Illinois, Veerasamy Kothandaraman and Ralph L. Evans, EE3:June 79:547:14616

Impoundments
Water Source Investigation for Newport News, Va., Robert C. Dolecki, Richard E. Underhill and James A. Rhodes, EE80:July 80:249

Incineration
Codisposal of Sludge and Refuse, William F. Cosulich and Miro Dvirka, EE80:July 80:592
Demonstration d-RDF Burn GSA Pentagon Power Plant, H. M. Freeman, Jay Campbell and M. A. Golembiewski, EE80:July 80:598
RCRA Implementation and the Environmental Engineer's Role, John Lynch, EE80:July 80:199

Incinerators
Disposal of Hazardous Toxic Munition Waste, Irving Forsten, EE80:July 80:440
RCRA Implementation and the Environmental Engineer's Role, John Lynch, EE80:July 80:199

Indexing
Water Quality Indexing and Scoring, Roy O. Ball and Richard L. Church, EE4:Aug 80:757:15617

Industrial Wastes
Biological Oxidation of Coke Plant Effluent, Richard G. Luthy and Lisa D. Jones, TN: EE4:Aug 80:847: 15588
Broad Area Searches for Hazardous Waste Disposal, Allen W. Hatheway, Pickett T. Simpson and John L. Splendore, EE80:July 80:329
Comparative Metals Precipitation Techniques, Lynn P. Croy and William R. Knocke, EE80:July 80:534
The Effect of Complex Formation on the Removal of Heavy Metals from Water and Wastewater, C. P. Huang and A. R. Bowers, EE80:July 80:240
Filtration for Treating Metal-Finishing Wastes, Charles H.H. Yeh and Mriganka M. Ghosh, EE80: July 80:546
Industrial Waste Monitoring: A Statistical Approach, Gerald W. Foess and Wayne St. John, EE5:Oct 80: 947:15758
Installation Restoration—An Army Initiative, Frank A. Jones, Jr., Donald K. Emig and John P. Glennon, EE80:July 80:571
Kinetic Model for Flocculation with Polymers, Peter M. Huck and Keith L. Murphy, EE4:Aug 78:767: 13950
Land Treatment Design Based on Long-Term Operation, Daniel J. Hinrichs and Richard Thomas, EE80:July 80:355
The Love Canal Remedial Action Report, Joseph L. Slack, EE80:July 80:564
Modeling Effects of Environmental Stresses due to Industrial Wastes on Gas Production by Landfill Sediments, S. Roychowdhury, L. Y. Young, D. Cox, J. Powers, J. Sharkey and M. Levandowsky, EE80:July 80:75
Modeling Toxicity in Methane Fermentation Systems, Gene F. Parkin and Richard E. Speece, EE80:July 80:288
Municipal/Industrial Waste Landfill Simulators, James J. Walsh, Riley N. Kinman and Nancy S. Neely, EE80:July 80:62
NEWCO and SCA — Harbingers for Future Hazardous Waste Siting Wrangles?, Peter N. Skinner, EE80:July 80:657
Organics Removal by Ion Exchange-Process Design, Christine Ann Macko and Walter J. Maier, EE80: July 80:394
Pretreatment Case Studies of Metal Finishers, John E. Eason, EE80:July 80:229
Pretreatment of Sewage for Heavy Metal Removals, Ju-Chang Huang and Patrick M. McCole, EE80: July 80:236
Storm Water Treatment with Minor Plant Alterations, George R. Brower, Robert H. Brotherton and John B. Kincaid, EE80:July 80:472
TEACUP Pretreatment of Wastewaters, George E. Wilson, EE80:July 80:651
Vacuum Filtration of Metal Hydroxide Sludges, William R. Knocke, Mriganka M. Ghosh and John T. Novak, EE2:Apr 80:363:15363

Infectious Diseases
Organics in Water—An Engineering Challenge, Perry L. McCarty, EE1:Feb 80:1:15180

Infiltration
Case Study of a Hazardous Waste Disposal Facility, David E. Murray, EE80:July 80:433
Ground-Water Quality at Rapid Infiltration Site, James V. Olson, Ronald W. Crites and Paul E. Levine, EE5:Oct 80:885:15768

Information Systems
State of the Journal, Otis J. Sproul, Chmn., EE6:Dec 80:1013:15930

Inspection
RCRA Implementation and the Environmental Engineer's Role, John Lynch, EE80:July 80:199
A Systematic Approach to Landfill Evaluation, D. Randy Junkins and Michael H. Corbin, EE80:July 80:50

Instrumentation
Modification of Older Automated Samplers, Fred A. Koehler, Ed P. Harris and Frank J. Humenik, TN: EE3:June 80:655:15447

Investments
Advanced Waste Treatment Investments, G. Kenneth Young, EE4:Aug 80:681:15597

Ion Adsorption
Water Defluoridation with Activated Alumina, Yeun C. Wu and Anan Nitya, EE2:Apr 79:357:14544

Ion Exchange
Alternatives for Reducing Nitrate in Municipal Supplies at McFarland, Calif., Gerald A. Guter and Ernest Kartinen, Jr., EE80:July 80:520
Ground-Water Pollution by Septic Tank Drainfields, Foppe B. DeWalle and Russell M. Schaff, EE3:June 80:631:15496
Metals Removal from Wastewater Sludges with Liquid-Ion Exchange, David A. Cornwell and Gary C. Cline, EE80:July 80:540
Occurence of Organic Compounds and Removal by AWT Processes, Kip Kuchon, EE80:July 80:612

Iron
Estuarine Sediments: Successional Model, Kenneth J. Williamson and David A. Bella, EE4:Aug 80:695: 15595

Iron Sulfides
Simulation of Sulfur Cycle in Estuarine Sediments, David A. Bella and Kenneth J. Williamson, EE1: Feb 80:125:15174

Irrigation
Effluent Irrigation at Lubbock, Texas, Robert M. Sweazy, Heyward R. Ramsey, III and George A. Whetstone, EE80:July 80:357
Energy and Costs for Agricultural Reuse of Wastewater, R. S. Sletten, Sherwood C. Reed and Eddie J. Middlebrooks, EE80:July 80:339
Evaluation of Land Treatment of Wastewater in California, John R. Thornton and James D. Goff, EE80:July 80:106
Rational Design of Overland Flow Systems, C. James Martel, D. Dean Adrian, Thomas F. Jenkins and Robert E. Peters, EE80:July 80:114
Reuse Alternatives in the Los Angeles Basin, Brian L. Ramaley, Gordon P. Treweek, Frank A. Grant and E. Wiley Horne, EE80:July 80:207
Spray Application of Wastewater Effluent in a Cold Climate: Performance Evaluation of a Full-Scale Plant, E. Allan Cassell, Donald W. Meals, J. R. Bouzoun, C. James Martel and Wallace A. Bronson, EE80:July 80:620

Israel
Environmental Effects of Water Reuse Scheme, Emanuel Idelovitch, EE3:June 80:561:15466

Kaolin
Containment of Heavy Metals with Natural Materials, Ronald E. Benson, Jr., EE80:July 80:69

Kinetics
Model for Design of Multicomponent Adsorption Systems, John C. Crittenden and Walter J. Weber, Jr., EE6:Dec 78:1175:14230
Modeling Toxicity in Methane Fermentation Systems, Gene F. Parkin and Richard E. Speece, EE80:July 80:288

Lakes
Highway Construction Impact on Water-Supply Lakes, Kok-Heng Tan and Dhandapani Thirumurthi, EE5:Oct 78:997:14052
Lake Process Models Applied to Reservoir Management, Wesley L. Bradford and David J. Maiero, EE5:Oct 78:981:14100
A Ten Year Improvement in Water Quality in a Major Okanagan Valley Lake as a Result of Municipal Wastewater Phosphorus Reduction, Agris Berzins, EE80:July 80:627

Land Development
Pretreatment of Sewage for Heavy Metal Removals, Ju-Chang Huang and Patrick M. McCole, EE80: July 80:236
Underground Travel of Renovated Wastewater, Robert C. Rice and Peter Raats, EE6:Dec 80:1079: 15912

Landfills
Containment of Heavy Metals with Natural Materials, Ronald E. Benson, Jr., EE80:July 80:69
The Impacts of the Resource Conservation and Recovery Act on Wood Fired Energy Systems, Hugh T. Carson and Dennis W. Weeter, EE80:July 80:508
Leachate Generation from a Sludge Disposal Area, Wayne A. Charlie, Richard E. Wardwell and Orlando B. Andersland, EE5:Oct 79:947:14884
Modeling Effects of Environmental Stresses due to Industrial Wastes on Gas Production by Landfill Sediments, S. Roychowdhury, L. Y. Young, D. Cox, J. Powers, J. Sharkey and M. Levandowsky, EE80:July 80:75
Municipal/Industrial Waste Landfill Simulators, James J. Walsh, Riley N. Kinman and Nancy S. Neely, EE80:July 80:62
Secure Land Burial of Hazardous Wastes: A State-of-the-Art Example, Robert D. Mutch, Jr., EE80:July 80:426

Land Reclamation
Effluent Irrigation at Lubbock, Texas, Robert M. Sweazy, Heyward R. Ramsey, III and George A. Whetstone, EE80:July 80:357
Energy and Costs for Agricultural Reuse of Wastewater, R. S. Sletten, Sherwood C. Reed and Eddie J. Middlebrooks, EE80:July 80:339
Evaluation of Land Treatment of Wastewater in California, John R. Thornton and James D. Goff, EE80:July 80:106
Spray Application of Wastewater Effluent in a Cold Climate: Performance Evaluation of a Full-Scale Plant, E. Allan Cassell, Donald W. Meals, J. R. Bouzoun, C. James Martel and Wallace A. Bronson, EE80:July 80:620

Land Usage
Cation Transport in Packed Bed Reactor of Soil, Allen R. Overman, Brian R. McMahon, Rolan L. Chu and Flora C. Wang, EE2:Apr 80:267:15321
Evaluation of Land Treatment of Wastewater in California, John R. Thornton and James D. Goff, EE80:July 80:106
Ground-Water Quality at Rapid Infiltration Site, James V. Olson, Ronald W. Crites and Paul E. Levine, EE5:Oct 80:885:15768
Soil Chemistry Changes at Rapid Infiltration Site, Paul E. Levine, Ronald W. Crites and James V. Olson, EE5:Oct 80:869:15767

Land Use
Dynamic Water Quality Modeling in Southeast Florida, R. Uwe Jettmar, George K. Young, Armando I. Perez and Robert Oros, EE1:Feb 80: 105:15173
Nuclear Facilities Siting, Paul Kruger, EE3:June 79: 443:14615
Pollutant Concentrations form Homogenous Land Uses, Irwin Polls and Richard Lanyon, EE1:Feb 80: 69:15169

Leaching
Case Study of a Hazardous Waste Disposal Facility, David E. Murray, EE80:July 80:433
Indirect Techniques for Investigating Hazardous Waste Burial Sites, Richard C. Dorrler, EE80:July 80:576
Leachate Generation from a Sludge Disposal Area, Wayne A. Charlie, Richard E. Wardwell and Orlando B. Andersland, EE5:Oct 79:947:14884
Leachate Recycle as Landfill Management Option, Frederick G. Pohland, EE6:Dec 80:1057:15899
Leach Characteristics of Coal-Gasification Char, Richard G. Luthy, Pantelis Vassiliou and Mark J. Carter, EE1:Feb 80:81:15171
Trenching of Digested Sludge, L. J. Sikora, N. H. Frankos, C. M. Murray and J. M. Walker, EE2:Apr 80:351:15310

Lead
Water Pollution from Snow Removal Operations, Bruce W. Pierstorff and Paul L. Bishop, EE2:Apr 80:377:15331

Lead Azides
Disposal of Hazardous Toxic Munition Waste, Irving Forsten, EE80:July 80:440

Least Squares Method
Least Squares Estimates of BOD Parameters, Thomas O. Barnwell, Jr., TN: EE6:Dec 80:1197:15869

Legislation
Surface-Mining Legislation and Regulation, Jerome P. Harper, EE1:Feb 80:145:15170
Water Quality, Energy, Legislation: Challenge of the 80's, Carmen F. Guarino, EE80:July 80:1

Lenses (Soils)
Case Study of a Hazardous Waste Disposal Facility, David E. Murray, EE80:July 80:433

Licenses
Nuclear Facilities Siting, Paul Kruger, EE3:June 79: 443:14615

Lime
Lime Use in Anaerobic Filters, Graham J. Brown, Kuran-Chow Lin, Robert C. Landine, Albert A. Cocci and Thiruvenkatachari Viraraghavan, TN: EE4:Aug 80:837:15588

Lime-Soda Ash Process
Simulation of Lime-Soda Softening, Li-Shiang Liang, Irvine W. Wei and Henry G. Sideropoulos, EE5: Oct 80:935:15756

Loading Rate
Nutrient Budget Analysis for Rend Lake in Illinois, Veerasamy Kothandaraman and Ralph L. Evans, EE3:June 79:547:14616

Low Flow
Advanced Waste Treatment Investments, G. Kenneth Young, EE4:Aug 80:681:15597

Management
Hospital Solid Waste Management: A Case Study, Damodar S. Airan, John H. Bell, Lalita D. Airan and Daniel T. McMurray, EE4:Aug 80:741:15613
Management of Hazardous Waste Using Regional Concepts, Richard A. Gardner and Mahlon B. White, EE80:July 80:453

Siting of Hazardous Waste Management Facilities, Dawn D. Roderique and Timothy D. Van Epp, EE80:July 80:320

Manifolds
Dividing-Flow Manifolds with Square-Edged Laterals, Herbert E. Hudson, Jr., Robert B. Uhler and Robert W. Bailey, EE4:Aug 79:745:14764

Maps
Environmental Optimization of Power Lines, Spyros Economides and Manijeh Sharifi, EE4:Aug 78:675:13951

Maryland
Extended Aeration Treatment at Maryland State Parks, James E. Alleman and Joanne S. Colt, EE80:July 80:175

Massachusetts
Combined Sewer Overflow Controls for Boston Harbor, John R. Elwood, William F. Callahan and John A. Mueller, EE80:July 80:464

Mass Transfer
Model for Design of Multicomponent Adsorption Systems, John C. Crittenden and Walter J. Weber, Jr., EE6:Dec 78:1175:14230

Mathematical Models
Cost Interactions in Activated Sludge Systems, Michael K. Stenstrom and John F. Andrews, EE4:Aug 80:787:15627
Economic Analysis of Granular-Bed Filtration, Raymond D. Letterman, EE2:Apr 80:279:15337
Mathematical Modeling of Dissolved Oxygen in Mixed Estuaries, Yasar F. Ozturk, EE5:Oct 79:883:14923
Mathematical Modeling of Humic Substances Removal with Activated Carbon Beds, Michael C. Lee, John C. Crittenden, Vernon L. Snoeyink and William E. Thacker, EE80:July 80:387
Mathematical Modeling of the Displacement of Preadsorbed Organics in Fixed-Bed Adsorbers, John C. Crittenden, Bryant W.C. Wong, William E. Thacker, Vernon L. Snoeyink and Richard L. Hinrichs, EE80:July 80:274
Modeling Pollution in Strait of Maracaibo, Gustavo Parra-Pardi, EE5:Oct 80:959:15751
Moisture Retention of Landfilled Solid Wastes, Raymond L. Huitric, Sagar Raksit and Roger T. Haug, EE80:July 80:55
Organics Removal by Ion Exchange-Process Design, Christine Ann Macko and Walter J. Maier, EE80:July 80:394
Saturation Kinetics for Preferential Nitrogen Uptake, David S. Bowles and William J. Grenney, TN:EE4:Aug 80:833:15588
Sensitivity Analyses of Wastewater Treatment Plant Design Parameters, Karl G. Voelkel and Lawrence B. Polkowski, EE80:July 80:307
Simulation Modeling of Primary Clarifiers, Raymond L. Alarie, Edward A. McBean and Grahame J. Farquhar, EE2:Apr 80:293:15312
Simulation of Sulfur Cycle in Estuarine Sediments, David A. Bella and Kenneth J. Williamson, EE1:Feb 80:125:15174
Stochastic Design of Flow Equilization Basins, Campbell D. MacInnes, Andrew C. Middleton and Kazimierz Adamowski, EE6:Dec 78:1275:14251

Metal Containing Organic Compounds
Comparative Metals Precipitation Techniques, Lynn P. Croy and William R. Knocke, EE80:July 80:534
Metals Removal from Wastewater Sludges with Liquid-Ion Exchange, David A. Cornwell and Gary C. Cline, EE80:July 80:540

Metal Detectors
Indirect Techniques for Investigating Hazardous Waste Burial Sites, Richard C. Dorrler, EE80:July 80:576

Metal Finishing
Filtration for Treating Metal-Finishing Wastes, Charles H.H. Yeh and Mriganka M. Ghosh, EE80:July 80:546
Pretreatment Case Studies of Metal Finishers, John E. Eason, EE80:July 80:229

Metals
Heat Treatment and Vacuum Filtration of Metal-Laden Municipal Sludge, Bert L. Michalczyk and Ronald F. Wukasch, EE80:July 80:25

Meteorology
Meteorological Impacts on Urban Sulfate Levels, William A. Turner and Constantine J. Gregory, EE2:Apr 80:311:15348

Methane
Digester Gas Utilization Programs, Raymond R. Rimkus, John M. Ryan and Alfred J. Michuda, EE6:Dec 80:1071:15902
Modeling Toxicity in Methane Fermentation Systems, Gene F. Parkin and Richard E. Speece, EE80:July 80:288

Microporosity
Dual Rate Kinetic Model of Fixed Bed Adsorber, Russell G. Peel and Andrew Benedek, EE4:Aug 80:797:15638

Migration
Numerical Simulation of Gas Flow in Sanitary Landfills, Angelos N. Findikakis and James O. Leckie, EE5:Oct 79:927:14896

Mine Drainage
Kinetic Model for Flocculation with Polymers, Peter M. Huck and Keith L. Murphy, EE4:Aug 78:767:13950
Southern Illinois Mine Waste Control Plan: A Summary, William C. Pisano and Gerald L. Aronson, EE1:Feb 80:55:15167

Mine Wastes
Southern Illinois Mine Waste Control Plan: A Summary, William C. Pisano and Gerald L. Aronson, EE1:Feb 80:55:15167

Mining
Kinetic Model for Flocculation with Polymers, Peter M. Huck and Keith L. Murphy, EE4:Aug 78:767:13950
Surface-Mining Legislation and Regulation, Jerome P. Harper, EE1:Feb 80:145:15170

Missouri
Case Study of a Hazardous Waste Disposal Facility, David E. Murray, EE80:July 80:433

Mixing
Ideal Flow Patterns for Equalization Basins, Ely Anthony R. Ouano, TN: EE4:Aug 78:817:13913
Oxygen Transfer Standard—Basin Geometry and Mixing (Abstract), Thomas C. Rooney and Ronald N. Salzman, EE80:July 80:94

Models
Anaerobic Digestion of Waste and Activated Sludge, James M. Gossett and Roy L. Belser, EE80:July 80:33
Dual Rate Kinetic Model of Fixed Bed Adsorber, Russell G. Peel and Andrew Benedek, EE4:Aug 80:797:15638
Dynamic Water Quality Modeling in Southeast Florida, R. Uwe Jettmar, George K. Young, Armando I. Perez and Robert Oros, EE1:Feb 80:105:15173
Modeling Effects of Environmental Stresses due to Industrial Wastes on Gas Production by Landfill Sediments, S. Roychowdhury, L. Y. Young, D. Cox, J. Powers, J. Sharkey and M. Levandowsky, EE80:July 80:75

Modeling Framework to Address AWT Decisions, Thomas W. Gallagher and Richard P. Winfield, EE80:July 80:604
Modeling Waste Assimilation After Channelization, Edward C. Davis and Edward L. Thackston, EE80: July 80:153
Wastewater Risk Assessment, Neil J. Hutzler and William C. Boyle, EE5:Oct 80:919:15748

Model Studies
Air Quality Modeling of A Sewage Treatment Plant, Walter G. Hoydysh and Richard P. Barth, EE80: July 80:494
Combined Sewer Overflow Controls for Boston Harbor, John R. Elwood, William F. Callahan and John A. Mueller, EE80:July 80:464
Lake Process Models Applied to Reservoir Management, Wesley L. Bradford and David J. Maiero, EE5:Oct 78:981:14100
Modeling Framework to Address AWT Decisions, Thomas W. Gallagher and Richard P. Winfield, EE80:July 80:604
Modeling Suspended Solids and Associated Bacteria in Natural Water Systems, Christopher G. Uchrin and Walter J. Weber, Jr., EE80:July 80:160
Modeling Toxicity in Methane Fermentation Systems, Gene F. Parkin and Richard E. Speece, EE80:July 80:288
Modeling Waste Assimilation After Channelization, Edward C. Davis and Edward L. Thackston, EE80: July 80:153

Moisture Content
Biological Drying of Sewage Sludge—A New Composting Process, F. C. Miller, S. T. McGregor, M. S. Finstein and J. Cirello, EE80:July 80:40
Moisture Retention of Landfilled Solid Wastes, Raymond L. Huitric, Sagar Raksit and Roger T. Haug, EE80:July 80:55

Monitoring
Case Study of a Hazardous Waste Disposal Facility, David E. Murray, EE80:July 80:433
Industrial Waste Monitoring: A Statistical Approach, Gerald W. Foess and Wayne St. John, EE5:Oct 80: 947:15758
A Systematic Approach to Landfill Evaluation, D. Randy Junkins and Michael H. Corbin, EE80:July 80:50

Municipal Government
Water Quality, Energy, Legislation: Challenge of the 80's, Carmen F. Guarino, EE80:July 80:1

Municipal Wastes
Effluent Irrigation at Lubbock, Texas, Robert M. Sweazy, Heyward R. Ramsey, III and George A. Whetstone, EE80:July 80:357
Energy Recovery From Waste and Biomass—Site Specific Economic Studies, Roger C. Bales, Ira J. Wright and Lory E. Larson, EE80:July 80:582
Fluoride, Nitrate, Arsenic, and Selenium Removal From Small Community Water Supplies, Dennis Clifford, Maheyar Bilimoria, Gurinder Singh and Tom Sorg, EE80:July 80:514
Land Treatment Design Based on Long-Term Operation, Daniel J. Hinrichs and Richard Thomas, EE80:July 80:355
Leachate Recycle as Landfill Management Option, Frederick G. Pohland, EE6:Dec 80:1057:15899
Municipal/Industrial Waste Landfill Simulators, James J. Walsh, Riley N. Kinman and Nancy S. Neely, EE80:July 80:62
Numerical Simulation of Gas Flow in Sanitary Landfills, Angelos N. Findikakis and James O. Leckie, EE5:Oct 79:927:14896
Pretreatment of Sewage for Heavy Metal Removals, Ju-Chang Huang and Patrick M. McCole, EE80: July 80:236
Sewage Treatment Costs: Assessing the Impact on Communities, Lawrence B. Cahill and Heather L. Burns, EE80:July 80:191
A Ten Year Improvement in Water Quality in a Major Okanagan Valley Lake as a Result of Municipal Wastewater Phosphorus Reduction, Agris Berzins, EE80:July 80:627

Municipal Water
Alternatives for Reducing Nitrate in Municipal Supplies at McFarland, Calif., Gerald A. Guter and Ernest Kartinen, Jr., EE80:July 80:520
Fluoride, Nitrate, Arsenic, and Selenium Removal From Small Community Water Supplies, Dennis Clifford, Maheyar Bilimoria, Gurinder Singh and Tom Sorg, EE80:July 80:514
Metals Removal from Wastewater Sludges with Liquid-Ion Exchange, David A. Cornwell and Gary C. Cline, EE80:July 80:540

Nebraska
Evaluating Odor Reduction Technologies: Model, Robert C. Balling, Jr. and Carroll E. Reynolds, EE5:Oct 80:901:15743

Neutralization
Treating Industrial Wastewater of Varying Quality and Quantity, Sydney H. Stilley, EE80:July 80:553

New Jersey
Lake Process Models Applied to Reservoir Management, Wesley L. Bradford and David J. Maiero, EE5:Oct 78:981:14100
Modeling Combined Sewer Storage Alternatives, Hagop L. Shahabian, Anthony J. Graham and George E. Kamedulski, EE80:July 80:480
Siting of Hazardous Waste Management Facilities, Dawn D. Roderique and Timothy D. Van Epp, EE80:July 80:320

New York
Lake Process Models Applied to Reservoir Management, Wesley L. Bradford and David J. Maiero, EE5:Oct 78:981:14100
Location and Remediation of Abandoned Hazardous Wastes Sites, Norman H. Nosenchuck, EE80:July 80:560
The Love Canal Remedial Action Report, Joseph L. Slack, EE80:July 80:564
Modeling of PCB Fate in the Hudson River System, Robert V. Thomann, Paul C. Pacquin and James J. Fitzpatrick, EE80:July 80:130
Siting of Hazardous Waste Management Facilities, Dawn D. Roderique and Timothy D. Van Epp, EE80:July 80:320
Use of Highly-Treated Wastewater to Recharge the Ground-Water Reservoir in Nassau County, Long Island, New York, David A. Aronson, EE80:July 80:214

Nitrates
Alternatives for Reducing Nitrate in Municipal Supplies at McFarland, Calif., Gerald A. Guter and Ernest Kartinen, Jr., EE80:July 80:520
Fluoride, Nitrate, Arsenic, and Selenium Removal From Small Community Water Supplies, Dennis Clifford, Maheyar Bilimoria, Gurinder Singh and Tom Sorg, EE80:July 80:514
A Streamlined Approach to Biological Nitrogen Removal, Laurence J. Sauter, Jr. and James E. Alleman, EE80:July 80:296

Nitrification
Diffusion and Reaction in Biological Nitrification, Enrique J. LaMotta and Wen K. Shieh, EE4:Aug 79:655:14759
Energy Conservation in Activated Sludge Systems, Sal D'Angelo, H. David Stensel and J. C. Goldman, EE4:Aug 80:773:15636
A Streamlined Approach to Biological Nitrogen Removal, Laurence J. Sauter, Jr. and James E. Alleman, EE80:July 80:296

Nitrites
A Streamlined Approach to Biological Nitrogen Removal, Laurence J. Sauter, Jr. and James E. Alleman, EE80:July 80:296

Nitrogen
Engineering Design Variables for the Activated Sludge Process, Lloyd W. Weller, Chmn., EE3:June 80:473:15509
Saturation Kinetics for Preferential Nitrogen Uptake, David S. Bowles and William J. Grenney, TN: EE4:Aug 80:833:15588
Spray Application of Wastewater Effluent in a Cold Climate: Performance Evaluation of a Full-Scale Plant, E. Allan Cassell, Donald W. Meals, J. R. Bouzoun, C. James Martel and Wallace A. Bronson, EE80:July 80:620

Nitrogen Compounds
Secondary Treatment Alternatives: Suspended Growth, Gordon L. Culp, Chmn., EE2:Apr 79:283:14528
A Streamlined Approach to Biological Nitrogen Removal, Laurence J. Sauter, Jr. and James E. Alleman, EE80:July 80:296

Noise (Sound)
Control of Construction Noise, Stan Potter and A. Paolillo, EE80:July 80:421
Control of Noise and Vibration in Buildings Near Subways, A. Paolillo and H. Podolsky, EE80:July 80:414
Control of Noise of Rapid Transit Cars, A. Paolillo and W. A. Jehle, EE80:July 80:406
Statistical Reliability of Ambient Noise Surveys, Daniel A. Driscoll and William J. Webster, EE80: July 80:399

Noise Control
Control of Construction Noise, Stan Potter and A. Paolillo, EE80:July 80:421
Control of Noise and Vibration in Buildings Near Subways, A. Paolillo and H. Podolsky, EE80:July 80:414
Control of Noise of Rapid Transit Cars, A. Paolillo and W. A. Jehle, EE80:July 80:406
Statistical Reliability of Ambient Noise Surveys, Daniel A. Driscoll and William J. Webster, EE80: July 80:399

Noise Measurement
Control of Noise of Rapid Transit Cars, A. Paolillo and W. A. Jehle, EE80:July 80:406

Noise Reduction
Control of Noise and Vibration in Buildings Near Subways, A. Paolillo and H. Podolsky, EE80:July 80:414
Control of Noise of Rapid Transit Cars, A. Paolillo and W. A. Jehle, EE80:July 80:406

Noise Tolerances
Control of Noise of Rapid Transit Cars, A. Paolillo and W. A. Jehle, EE80:July 80:406

Norman Medal
Effectiveness of Backwashing for Wastewater Filters, John L. Cleasby and James C. Lorence, EE4:Aug 78:749:13967

Nuclear Power Plants
Nuclear Facilities Siting, Paul Kruger, EE3:June 79: 443:14615

Nutrient Requirements
Nutrient Budget Analysis for Rend Lake in Illinois, Veerasamy Kothandaraman and Ralph L. Evans, EE3:June 79:547:14616
River Nutrient and Chemical Transport Estimation, Frank H. Verhoff, Stephen M. Yaksich and David A. Melfi, EE3:June 80:591:15456

Nutrients
Aquaculture Systems for Wastewater Treatment, Edward R. Pershe, EE80:July 80:103
Energy and Costs for Agricultural Reuse of Wastewater, R. S. Sletten, Sherwood C. Reed and Eddie J. Middlebrooks, EE80:July 80:339
Engineering Design Variables for the Activated Sludge Process, Lloyd W. Weller, Chmn., EE3:June 80:473:15509
Eutrophication-Related Water Quality in Dillon Reservoir, H. Kirk Horstman, G. Fred Lee and R. Anne Jones, EE80:July 80:144
Forage Grass Growth on Overland Flow Systems, Antonio J. Palazzo, C. James Martel and Thomas F. Jenkins, EE80:July 80:347
Index To Evaluate Lake Restoration, Donald B. Porcella, Spencer A. Peterson and David P. Larsen, EE6:Dec 80:1151:15893
Land Treatment Design Based on Long-Term Operation, Daniel J. Hinrichs and Richard Thomas, EE80:July 80:355
Nonpoint Source Loads and Impacts to a Water Supply Reservoir, Charles J. Newell and Philip B. Bedient, EE80:July 80:364

Nutritional Requirements
Dynamic Nutrient Cycle for Waste Stabilization Ponds, Raymond A. Ferrara and Donald R.F. Harleman, EE1:Feb 80:37:15168

Ocean Engineering
Port Valdez Environmental Studies: 1976-1978, Joseph M. Colonell, EE5:Oct 80:907:15738

Oceanography
Port Valdez Environmental Studies: 1976-1978, Joseph M. Colonell, EE5:Oct 80:907:15738

Odor
Evaluating Odor Reduction Technologies: Model, Robert C. Balling, Jr. and Carroll E. Reynolds, EE5:Oct 80:901:15743

Odor Control
Atmospheric Sublayer Transport and Odor Control, George E. Wilson, Jerry Y.C. Huang and Terry W. Schroepfer, EE2:Apr 80:389:15358
Evaluating Odor Reduction Technologies: Model, Robert C. Balling, Jr. and Carroll E. Reynolds, EE5:Oct 80:901:15743

Odors
Air Quality Modeling of A Sewage Treatment Plant, Walter G. Hoydysh and Richard P. Barth, EE80: July 80:494

Oil Spills
Distribution of Oil Pollution Residues, Ian A. Furzer, EE6:Dec 80:1171:15904
Oil Booms and Skimmer Walls: A Comparison, James J. Sharp, TN: EE5:Oct 80:991:15723
Port Valdez Environmental Studies: 1976-1978, Joseph M. Colonell, EE5:Oct 80:907:15738

Optimization
Expansion of Effluent Constrained Treatment Plants, Brian J. Williams, EE3:June 80:571:15469
Optimal Design of High Rate Sedimentation Devices, Frank H. Verhoff, EE2:Apr 79:199:14512
Sensitivity Analyses of Wastewater Treatment Plant Design Parameters, Karl G. Voelkel and Lawrence B. Polkowski, EE80:July 80:307
Southern Illinois Mine Waste Control Plan: A Summary, William C. Pisano and Gerald L. Aronson, EE1:Feb 80:55:15167
Water Quality Modeling Using Computer Graphics, Peter N. French and Daniel P. Loucks, EE80:July 80:138

Oregon
Upgrading Lagoon Effluents with Rock Filters, Gregory R. Swanson and Kenneth J. Williamson, EE6:Dec 80:1111:15887

Organic Compounds
Convection Limited Sorption Kinetics in Packed Beds, David W. Hendricks, EE4:Aug 80:727:15605

Mathematical Modeling of the Displacement of Preadsorbed Organics in Fixed-Bed Adsorbers, John C. Crittenden, Bryant W.C. Wong, William E. Thacker, Vernon L. Snoeyink and Richard L. Hinrichs, EE80:July 80:274
Multiple-Tap Column Design for Adsorbents, Kent E. Zenobia and Irwin H. Suffet, TN: EE4:Aug 80: 852:15588
Occurence of Organic Compounds and Removal by AWT Processes, Kip Kuchon, EE80:July 80:612
Organics Removal by Ion Exchange-Process Design, Christine Ann Macko and Walter J. Maier, EE80: July 80:394

Organic Loading
Control of Trihalomethanes Using Powdered Carbon, Mark C. Anderson, R. C. Butler, B. H. Kornegay and W. D. Pfoutz, EE80:July 80:378

Overflow
Approximate BOD Treatment Requirements for Urban Runoff, Udai P. Singh, Ronald L. Wycoff and Gregory L. Tate, EE1:Feb 79:3:14360
Calculating Overflows from Combined Sewer Systems, Kirke E. Larson, EE5:Oct 79:829:14883
Combined Sewer Overflow Controls for Boston Harbor, John R. Elwood, William F. Callahan and John A. Mueller, EE80:July 80:464
Modeling Combined Sewer Storage Alternatives, Hagop L. Shahabian, Anthony J. Graham and George E. Kamedulski, EE80:July 80:480
Storm Water Treatment with Minor Plant Alterations, George R. Brower, Robert H. Brotherton and John B. Kincaid, EE80:July 80:472

Overflows
Modeling Storm Overflow Impacts on Eutrophic Lake, Paul L. Freedman, Raymond P. Canale and James F. Pendergast, EE2:Apr 80:335:15355

Overland Flow
Forage Grass Growth on Overland Flow Systems, Antonio J. Palazzo, C. James Martel and Thomas F. Jenkins, EE80:July 80:347
Rational Design of Overland Flow Systems, C. James Martel, D. Dean Adrian, Thomas F. Jenkins and Robert E. Peters, EE80:July 80:114

Oxidation
Biological Oxidation of Coke Plant Effluent, Richard G. Luthy and Lisa D. Jones, TN: EE4:Aug 80:847: 15588
Engineering Design Variables for the Activated Sludge Process, Lloyd W. Weller, Chmn., EE3:June 80:473:15509
Organics in Water—An Engineering Challenge, Perry L. McCarty, EE1:Feb 80:1:15180
Treating Industrial Wastewater of Varying Quality and Quantity, Sydney H. Stilley, EE80:July 80:553

Oxygen
Kinetics of Pure Oxygen Activated Sludge, Gedaliah Shelef and Michal Green, EE6:Dec 80:1099:15884

Oxygenation
Alpha, Beta, and Theta Factors For Oxygen Transfer Testing, Michael K. Stenstrom and R. Gary Gilbert, EE80:July 80:86
Effect of Design on Economy of Aerobic Digestion, Otto Brody, EE2:Apr 79:383:14547
Laboratory Studies of Gas Tracers for Reaeration, Ronald E. Rathbun, D. W. Stephens, David J. Shultz and D. Y. Tai, EE2:Apr 78:215:13679
Storm Water Treatment with Minor Plant Alterations, George R. Brower, Robert H. Brotherton and John B. Kincaid, EE80:July 80:472

Oxygen Demand
Oxygen Transfer Measurements in Respiring Systems, John R. Stukenberg, EE80:July 80:78
Sediment Oxygen Demand and Nutrient Release, Preston S. Chiaro and Dennis A. Burke, EE1:Feb 80:177:15206

Oxygen Transport Mechanisms
Alpha, Beta, and Theta Factors For Oxygen Transfer Testing, Michael K. Stenstrom and R. Gary Gilbert, EE80:July 80:86
Oxygen Transfer Measurements in Respiring Systems, John R. Stukenberg, EE80:July 80:78
Proposed Modifications of K_2—Temperture Relation, Linfield C. Brown and Michael K. Stenstrom, TN: EE6:Dec 80:1193:15869

Ozone
Ozone Inactivation of Floc Associated Viruses and Bacteria, Douglas S. Walsh, Charles E. Buck and Otis J. Sproul, EE4:Aug 80:711:15601

Ozonization
Occurence of Organic Compounds and Removal by AWT Processes, Kip Kuchon, EE80:July 80:612

Parameters
Dynamic Estimation of Settling Basin Performance, Sadataka Shiba, Yoriteru Inoue and Yasuyo Ueda, EE6:Dec 79:1113:15045

Parks
Extended Aeration Treatment at Maryland State Parks, James E. Alleman and Joanne S. Colt, EE80:July 80:175

Particulate Air Pollutants
Meteorological Impacts on Urban Sulfate Levels, William A. Turner and Constantine J. Gregory, EE2:Apr 80:311:15348

Pennsylvania
Lake Process Models Applied to Reservoir Management, Wesley L. Bradford and David J. Maiero, EE5:Oct 78:981:14100

Performance
Performance of Package Water Treatment Plants, James M. Morand and Matthew J. Young, EE80: July 80:526
Secondary Treatment Alternatives: Suspended Growth, Gordon L. Culp, Chmn., EE2:Apr 79:283: 14528
Spray Application of Wastewater Effluent in a Cold Climate: Performance Evaluation of a Full-Scale Plant, E. Allan Cassell, Donald W. Meals, J. R. Bouzoun, C. James Martel and Wallace A. Bronson, EE80:July 80:620

Permits
NEWCO and SCA — Harbingers for Future Hazardous Waste Siting Wrangles?, Peter N. Skinner, EE80:July 80:657

Ph
The Effect of Complex Formation on the Removal of Heavy Metals from Water and Wastewater, C. P. Huang and A. R. Bowers, EE80:July 80:240
Fluoride, Nitrate, Arsenic, and Selenium Removal From Small Community Water Supplies, Dennis Clifford, Maheyar Bilimoria, Gurinder Singh and Tom Sorg, EE80:July 80:514
Modeling Framework to Address AWT Decisions, Thomas W. Gallagher and Richard P. Winfield, EE80:July 80:604
Municipal/Industrial Waste Landfill Simulators, James J. Walsh, Riley N. Kinman and Nancy S. Neely, EE80:July 80:62

Phosphorus
Engineering Design Variables for the Activated Sludge Process, Lloyd W. Weller, Chmn., EE3:June 80:473:15509
Eutrophication-Related Water Quality in Dillon Reservoir, H. Kirk Horstman, G. Fred Lee and R. Anne Jones, EE80:July 80:144
Spray Application of Wastewater Effluent in a Cold Climate: Performance Evaluation of a Full-Scale Plant, E. Allan Cassell, Donald W. Meals, J. R. Bouzoun, C. James Martel and Wallace A. Bronson, EE80:July 80:620

Phosphorus Compounds
Biokinetics of Phosphorus Removal in PHOSTRIP Activated Sludge, Raymond W. Reagan and John B. Nesbitt, EE80:July 80:282
A Ten Year Improvement in Water Quality in a Major Okanagan Valley Lake as a Result of Municipal Wastewater Phosphorus Reduction, Agris Berzins, EE80:July 80:627

Photogrammetry
Location and Remediation of Abandoned Hazardous Wastes Sites, Norman H. Nosenchuck, EE80:July 80:560

Phytoplankton
Modeling Framework to Address AWT Decisions, Thomas W. Gallagher and Richard P. Winfield, EE80:July 80:604

Planning
Water Quality Modeling Using Computer Graphics, Peter N. French and Daniel P. Loucks, EE80:July 80:138

Plants
Energy Conservation in Activated Sludge Systems, Sal D'Angelo, H. David Stensel and J. C. Goldman, EE4:Aug 80:773:15636

Plants (Botany)
Forage Grass Growth on Overland Flow Systems, Antonio J. Palazzo, C. James Martel and Thomas F. Jenkins, EE80:July 80:347

Pollutants
Low Flow and Stormwater Quality in Urban Channels, Philip B. Bedient, Jeff L. Lambert and Paulo Machado, EE2:Apr 80:421:15336

Pollution
Classification of Hazardous Wastes, Albert J. Klee and Michael U. Flanders, EE1:Feb 80:163:15205
Environmental Effects of Water Reuse Scheme, Emanuel Idelovitch, EE3:June 80:561:15466
Heat Treatment and Vacuum Filtration of Metal-Laden Municipal Sludge, Bert L. Michalczyk and Ronald F. Wukasch, EE80:July 80:25
Installation Restoration—An Army Initiative, Frank A. Jones, Jr., Donald K. Emig and John P. Glennon, EE80:July 80:571
The Love Canal Remedial Action Report, Joseph L. Slack, EE80:July 80:564
Organics in Water—An Engineering Challenge, Perry L. McCarty, EE1:Feb 80:1:15180
Waikato River Pollutant Flushing Rates, J. C. Rutherford, M. E.U. Taylor and J. D. Davies, EE6:Dec 80:1131:15939
Water Pollution from Snow Removal Operations, Bruce W. Pierstorff and Paul L. Bishop, EE2:Apr 80:377:15331

Pollution Abatement
Disposal of Hazardous Toxic Munition Waste, Irving Forsten, EE80:July 80:440
Modeling Combined Sewer Storage Alternatives, Hagop L. Shahabian, Anthony J. Graham and George E. Kamedulski, EE80:July 80:480

Pollution Control
Installation Restoration—An Army Initiative, Frank A. Jones, Jr., Donald K. Emig and John P. Glennon, EE80:July 80:571
The Love Canal Remedial Action Report, Joseph L. Slack, EE80:July 80:564
Time Series Modeling of Chicago Particulates, William D. O'Neill, EE5:Oct 79:855:14887

Polychloroprene
Modeling of PCB Fate in the Hudson River System, Robert V. Thomann, Paul C. Pacquin and James J. Fitzpatrick, EE80:July 80:130

Polymers
High-Rate Filtration in Polymer-Treated Sand Bed, John J. Byeseda and Nicholas D. Sylvester, EE2:Apr 79:231:14525

Polyvinyl Chloride
Air Pollution Aspects of Land Disposal of Toxic Wastes, Thomas T. Shen and T. James Tofflemire, EE1:Feb 80:211:15213

Potable Water
Control of Trihalomethanes Using Powdered Carbon, Mark C. Anderson, R. C. Butler, B. H. Kornegay and W. D. Pfoutz, EE80:July 80:378
Fluoride, Nitrate, Arsenic, and Selenium Removal From Small Community Water Supplies, Dennis Clifford, Maheyar Bilimoria, Gurinder Singh and Tom Sorg, EE80:July 80:514
Potential for Water Reuse—A Computer Model, Ed Smith, Steve Shelton, Manette Messenger and Barry Peterman, EE80:July 80:634
Water Quality, Energy, Legislation: Challenge of the 80's, Carmen F. Guarino, EE80:July 80:1

Precipitation (Chemistry)
Comparative Metals Precipitation Techniques, Lynn P. Croy and William R. Knocke, EE80:July 80:534

Predictions
Dynamic Estimation of Settling Basin Performance, Sadataka Shiba, Yoriteru Inoue and Yasuyo Ueda, EE6:Dec 79:1113:15045
Prediction of Septic-System Failures, Gary B. Saxton and Joseph M. Zeneski, EE3:June 79:503:14609

Preferences (Water Rights)
Comparison of Tangibles and Intangibles, Ian G. Wallis, EE4:Aug 78:625:13959

Probability Distribution Functions
Analysis and Design of Equalization Facilities, Gilles G. Patry, EE80:July 80:183

Probability Theory
Statistical Reliability of Ambient Noise Surveys, Daniel A. Driscoll and William J. Webster, EE80:July 80:399
Stochastic Design of Flow Equilization Basins, Campbell D. MacInnes, Andrew C. Middleton and Kazimierz Adamowski, EE6:Dec 78:1275:14251

Processing
Anaerobic Digestion of Cannery Tomato Solid Wastes, David J. Hills and Ronald S. Dykstra, EE2:Apr 80:257:15318
Organics Removal by Ion Exchange-Process Design, Christine Ann Macko and Walter J. Maier, EE80:July 80:394

Propellants
Disposal of Hazardous Toxic Munition Waste, Irving Forsten, EE80:July 80:440

Public Health
Organics in Water—An Engineering Challenge, Perry L. McCarty, EE1:Feb 80:1:15180
Wastewater Risk Assessment, Neil J. Hutzler and William C. Boyle, EE5:Oct 80:919:15748

Radioactive Wastes
Installation Restoration—An Army Initiative, Frank A. Jones, Jr., Donald K. Emig and John P. Glennon, EE80:July 80:571

Radioactivity
Installation Restoration—An Army Initiative, Frank A. Jones, Jr., Donald K. Emig and John P. Glennon, EE80:July 80:571

Railroad Cars
Control of Noise of Rapid Transit Cars, A. Paolillo and W. A. Jehle, EE80:July 80:406

Rainfall
Modeling Combined Sewer Storage Alternatives, Hagop L. Shahabian, Anthony J. Graham and George E. Kamedulski, EE80:July 80:480

Rapid Transit Systems
Control of Noise of Rapid Transit Cars, A. Paolillo and W. A. Jehle, EE80:July 80:406

Rates
Modeling Pollution in Strait of Maracaibo, Gustavo Parra-Pardi, EE5:Oct 80:959:15751

Recharge Wells
Dual Recharge Well for Water Supply Stabilization, William H. Fleming, Jr. and Gerald E. Speitel, EE80:July 80:257

Reclaimed Water
Planning, Design, Construction and Operation of a Reclaimed Water System, Shahnawaz Ahmad and James C. Lundie, EE80:July 80:122
Use of Highly-Treated Wastewater to Recharge the Ground-Water Reservoir in Nassau County, Long Island, New York, David A. Aronson, EE80:July 80:214

Reclamation
Evaluation of Land Treatment of Wastewater in California, John R. Thornton and James D. Goff, EE80:July 80:106
Organics in Water—An Engineering Challenge, Perry L. McCarty, EE1:Feb 80:1:15180
Planning, Design, Construction and Operation of a Reclaimed Water System, Shahnawaz Ahmad and James C. Lundie, EE80:July 80:122

Recreational Facilities
Nonpoint Source Loads and Impacts to a Water Supply Reservoir, Charles J. Newell and Philip B. Bedient, EE80:July 80:364

Refuse Disposal
Codisposal of Sludge and Refuse, William F. Cosulich and Miro Dvirka, EE80:July 80:592
Demonstration d-RDF Burn GSA Pentagon Power Plant, H. M. Freeman, Jay Campbell and M. A. Golembiewski, EE80:July 80:598
Regional Resource Recovery Center Cost Analysis, Paul L. Bishop, Elizabeth Howard, Marcia Flinkstrom, Cindy White and Robert Cook, EE5:Oct 80:977:15760

Regional Planning
Management of Hazardous Waste Using Regional Concepts, Richard A. Gardner and Mahlon B. White, EE80:July 80:453
Siting of Hazardous Waste Management Facilities, Dawn D. Roderique and Timothy D. Van Epp, EE80:July 80:320
Water Quality Evaluation of Regional Wastewater Management, Barry J. Adams and Robert S. Gemmell, EE2:Apr 80:437:15362

Regulation
Broad Area Searches for Hazardous Waste Disposal, Allen W. Hatheway, Pickett T. Simpson and John L. Splendore, EE80:July 80:329

Regulations
Nuclear Facilities Siting, Paul Kruger, EE3:June 79:443:14615
RCRA Implementation and the Environmental Engineer's Role, John Lynch, EE80:July 80:199
Small Water Systems: Role of Technology, Robert M. Clark, EE1:Feb 80:19:15181
Surface-Mining Legislation and Regulation, Jerome P. Harper, EE1:Feb 80:145:15170

Research
Oxygen Transfer Standard—Basin Geometry and Mixing (Abstract), Thomas C. Rooney and Ronald N. Salzman, EE80:July 80:94

Reservoirs
Biological Contamination of Finished Water Reservoirs, J. Sykora, Maurice A. Shapiro and G. Keleti, EE80:July 80:267
Lake Process Models Applied to Reservoir Management, Wesley L. Bradford and David J. Maiero, EE5:Oct 78:981:14100

Resins
Mathematical Modeling of the Displacement of Preadsorbed Organics in Fixed-Bed Adsorbers, John C. Crittenden, Bryant W.C. Wong, William E. Thacker, Vernon L. Snoeyink and Richard L. Hinrichs, EE80:July 80:274

Resource Conservation
The Impacts of the Resource Conservation and Recovery Act on Wood Fired Energy Systems, Hugh T. Carson and Dennis W. Weeter, EE80:July 80:508

Reverse Osmosis
Alternatives for Reducing Nitrate in Municipal Supplies at McFarland, Calif., Gerald A. Guter and Ernest Kartinen, Jr., EE80:July 80:520
Fluoride, Nitrate, Arsenic, and Selenium Removal From Small Community Water Supplies, Dennis Clifford, Maheyar Bilimoria, Gurinder Singh and Tom Sorg, EE80:July 80:514
Judiciously Planned Bench Scale Studies are Extremely Valuable in AWT Process Selection, Madan L. Arora, Margaret J. Bliss and Ken M. Trompeter, EE80:July 80:100
Occurence of Organic Compounds and Removal by AWT Processes, Kip Kuchon, EE80:July 80:612
Organics in Water—An Engineering Challenge, Perry L. McCarty, EE1:Feb 80:1:15180

Risks
Location and Remediation of Abandoned Hazardous Wastes Sites, Norman H. Nosenchuck, EE80:July 80:560

Rivers
Waikato River Pollutant Flushing Rates, J. C. Rutherford, M. E.U. Taylor and J. D. Davies, EE6:Dec 80:1131:15939
Water Quality Modeling Using Computer Graphics, Peter N. French and Daniel P. Loucks, EE80:July 80:138

Roads
Road Salts Movement into Two Toronto Streams, William S. Scott, EE3:June 80:547:15468

Routing
Environmental Optimization of Power Lines, Spyros Economides and Manijeh Sharifi, EE4:Aug 78:675:13951

Rudolph Hering Medal
Model for Design of Multicomponent Adsorption Systems, John C. Crittenden and Walter J. Weber, Jr., EE6:Dec 78:1175:14230

Runoff
Combined Sewer Overflow Controls for Boston Harbor, John R. Elwood, William F. Callahan and John A. Mueller, EE80:July 80:464
Control of Stormwater Runoff in a Rural Area, Pamela B. Katz, John A. Ripp and Deborah K. Martin, EE80:July 80:372
Highway Construction Impact on Water-Supply Lakes, Kok-Heng Tan and Dhandapani Thirumurthi, EE5:Oct 78:997:14052
Pollutant Concentrations form Homogenous Land Uses, Irwin Polls and Richard Lanyon, EE1:Feb 80:69:15169
Stormwater Interception and Storage, Dominic M. Di Toro and Mitchell J. Small, EE1:Feb 79:43:14368
Stormwater Treatment Systems, Mitchell J. Small and Dominic M. DiToro, EE3:June 79:557:14617

Urban Storm Runoff Quality in Southeast Michigan, Peter G. Collins and James W. Ridgway, EE1:Feb 80:153:15199

Rural Areas
Control of Stormwater Runoff in a Rural Area, Pamela B. Katz, John A. Ripp and Deborah K. Martin, EE80:July 80:372

Safe Yield
Water Source Investigation for Newport News, Va., Robert C. Dolecki, Richard E. Underhill and James A. Rhodes, EE80:July 80:249

Salinity
Water Source Investigation for Newport News, Va., Robert C. Dolecki, Richard E. Underhill and James A. Rhodes, EE80:July 80:249

Salts
Road Salts Movement into Two Toronto Streams, William S. Scott, EE3:June 80:547:15468

Salt Water Barriers
Dual Recharge Well for Water Supply Stabilization, William H. Fleming, Jr. and Gerald E. Speitel, EE80:July 80:257

Salt Water Intrusion
Dual Recharge Well for Water Supply Stabilization, William H. Fleming, Jr. and Gerald E. Speitel, EE80:July 80:257

Sampling
Indirect Techniques for Investigating Hazardous Waste Burial Sites, Richard C. Dorrler, EE80:July 80:576
Modification of Older Automated Samplers, Fred A. Koehler, Ed P. Harris and Frank J. Humenik, TN: EE3:June 80:655:15447
Potential for Water Reuse—A Computer Model, Ed Smith, Steve Shelton, Manette Messenger and Barry Peterman, EE80:July 80:634
Secure Land Burial of Hazardous Wastes: A State-of-the-Art Example, Robert D. Mutch, Jr., EE80:July 80:426
Statistical Reliability of Ambient Noise Surveys, Daniel A. Driscoll and William J. Webster, EE80: July 80:399

Samuel Arnold Greeley Award
Effect of Design on Economy of Aerobic Digestion, Otto Brody, EE2:Apr 79:383:14547

Sand Filters
Treating Industrial Wastewater of Varying Quality and Quantity, Sydney H. Stilley, EE80:July 80:553

Sand Filtration
High-Rate Filtration in Polymer-Treated Sand Bed, John J. Byeseda and Nicholas D. Sylvester, EE2: Apr 79:231:14525

Sands
TEACUP Pretreatment of Wastewaters, George E. Wilson, EE80:July 80:651

Sanitary Landfill
Broad Area Searches for Hazardous Waste Disposal, Allen W. Hatheway, Pickett T. Simpson and John L. Splendore, EE80:July 80:329
Containment of Heavy Metals with Natural Materials, Ronald E. Benson, Jr., EE80:July 80:69
Effective Sludge Disposal — A Question of Policy, Martin Lang, EE80:July 80:664
Energy Recovery From Waste and Biomass—Site Specific Economic Studies, Roger C. Bales, Ira J. Wright and Lory E. Larson, EE80:July 80:582
The Impacts of the Resource Conservation and Recovery Act on Wood Fired Energy Systems, Hugh T. Carson and Dennis W. Weeter, EE80:July 80:508
Indirect Techniques for Investigating Hazardous Waste Burial Sites, Richard C. Dorrler, EE80:July 80:576
Leachate Recycle as Landfill Management Option, Frederick G. Pohland, EE6:Dec 80:1057:15899
The Love Canal Remedial Action Report, Joseph L. Slack, EE80:July 80:564
Metals Removal from Wastewater Sludges with Liquid-Ion Exchange, David A. Cornwell and Gary C. Cline, EE80:July 80:540
Modeling Effects of Environmental Stresses due to Industrial Wastes on Gas Production by Landfill Sediments, S. Roychowdhury, L. Y. Young, D. Cox, J. Powers, J. Sharkey and M. Levandowsky, EE80:July 80:75
Moisture Retention of Landfilled Solid Wastes, Raymond L. Huitric, Sagar Raksit and Roger T. Haug, EE80:July 80:55
Municipal/Industrial Waste Landfill Simulators, James J. Walsh, Riley N. Kinman and Nancy S. Neely, EE80:July 80:62
NEWCO and SCA — Harbingers for Future Hazardous Waste Siting Wrangles?, Peter N. Skinner, EE80:July 80:657
Numerical Simulation of Gas Flow in Sanitary Landfills, Angelos N. Findikakis and James O. Leckie, EE5:Oct 79:927:14896
RCRA Implementation and the Environmental Engineer's Role, John Lynch, EE80:July 80:199
Secure Land Burial of Hazardous Wastes: A State-of-the-Art Example, Robert D. Mutch, Jr., EE80:July 80:426
A Systematic Approach to Landfill Evaluation, D. Randy Junkins and Michael H. Corbin, EE80:July 80:50

Saturation
Saturation Kinetics for Preferential Nitrogen Uptake, David S. Bowles and William J. Grenney, TN: EE4:Aug 80:833:15588

Savings
Potential for Water Reuse—A Computer Model, Ed Smith, Steve Shelton, Manette Messenger and Barry Peterman, EE80:July 80:634

Sawdust
Containment of Heavy Metals with Natural Materials, Ronald E. Benson, Jr., EE80:July 80:69

Scale Effect
Air Quality Modeling of A Sewage Treatment Plant, Walter G. Hoydysh and Richard P. Barth, EE80: July 80:494

Sedimentation
Judiciously Planned Bench Scale Studies are Extremely Valuable in AWT Process Selection, Madan L. Arora, Margaret J. Bliss and Ken M. Trompeter, EE80:July 80:100
Performance of Package Water Treatment Plants, James M. Morand and Matthew J. Young, EE80: July 80:526
Secondary Treatment Alternatives: Suspended Growth, Gordon L. Culp, Chmn., EE2:Apr 79:283: 14528
Settling in Continuous Sedimentation Tanks, J. Francisco Cordoba-Molina, Robert R. Hudgins and Peter L. Silveston, EE6:Dec 78:1261:14231
TEACUP Pretreatment of Wastewaters, George E. Wilson, EE80:July 80:651
Upgrading Lagoon Effluents with Rock Filters, Gregory R. Swanson and Kenneth J. Williamson, EE6:Dec 80:1111:15887

Sedimentation Tanks
Optimal Design of High Rate Sedimentation Devices, Frank H. Verhoff, EE2:Apr 79:199:14512
Settling in Continuous Sedimentation Tanks, J. Francisco Cordoba-Molina, Robert R. Hudgins and Peter L. Silveston, EE6:Dec 78:1261:14231

Sediment Deposits
TEACUP Pretreatment of Wastewaters, George E. Wilson, EE80:July 80:651

Sediments
Sediment Oxygen Demand and Nutrient Release, Preston S. Chiaro and Dennis A. Burke, EE1:Feb 80:177:15206
Simulation of Sulfur Cycle in Estuarine Sediments, David A. Bella and Kenneth J. Williamson, EE1: Feb 80:125:15174

Sediment Transport
River Nutrient and Chemical Transport Estimation, Frank H. Verhoff, Stephen M. Yaksich and David A. Melfi, EE3:June 80:591:15456

Selenium
Fluoride, Nitrate, Arsenic, and Selenium Removal From Small Community Water Supplies, Dennis Clifford, Maheyar Bilimoria, Gurinder Singh and Tom Sorg, EE80:July 80:514

Sensitivity Analysis
Sensitivity Analyses of Wastewater Treatment Plant Design Parameters, Karl G. Voelkel and Lawrence B. Polkowski, EE80:July 80:307

Septic Tanks
Evapotranspiration Bed Design, Arthur F. Beck, TN: EE2:Apr 79:411:14474
Ground-Water Pollution by Septic Tank Drainfields, Foppe B. DeWalle and Russell M. Schaff, EE3:June 80:631:15496
Managed On-Site Disposal in Unsewered Areas, George E. Wilson, Jerry Y.C. Huang, George Tchobanoglous and Gil Wheeler, EE3:June 79:583: 14619
Multichamber Septic Tanks, Rein Laak, EE3:June 80: 539:15472
Prediction of Septic-System Failures, Gary B. Saxton and Joseph M. Zeneski, EE3:June 79:503:14609

Settlers (Separators)
Final Clarifiers for Activated Sludge Plants, Shankha K. Banerji, Chmn., EE5:Oct 79:803:14930
Optimal Design of High Rate Sedimentation Devices, Frank H. Verhoff, EE2:Apr 79:199:14512

Settling Basins
Dynamic Estimation of Settling Basin Performance, Sadataka Shiba, Yoriteru Inoue and Yasuyo Ueda, EE6:Dec 79:1113:15045

Sewage Disposal
Land Treatment Design Based on Long-Term Operation, Daniel J. Hinrichs and Richard Thomas, EE80:July 80:355
Multichamber Septic Tanks, Rein Laak, EE3:June 80: 539:15472
Prediction of Septic-System Failures, Gary B. Saxton and Joseph M. Zeneski, EE3:June 79:503:14609

Sewage Effluents
Aerosols in the Treatment Plant Environment, C. Richard Walter and Guy D. Van Doren, EE80:July 80:488
Analysis and Design of Equalization Facilities, Gilles G. Patry, EE80:July 80:183
Biological Oxidation of Coke Plant Effluent, Richard G. Luthy and Lisa D. Jones, TN: EE4:Aug 80:847: 15588
Broad Area Searches for Hazardous Waste Disposal, Allen W. Hatheway, Pickett T. Simpson and John L. Splendore, EE80:July 80:329
Chlorine Effect on Secondary Effluent Filtration, Andrew K. Hsiung, TN: EE3:June 80:649:15447
Effluent Irrigation at Lubbock, Texas, Robert M. Sweazy, Heyward R. Ramsey, III and George A. Whetstone, EE80:July 80:357
Energy and Costs for Agricultural Reuse of Wastewater, R. S. Sletten, Sherwood C. Reed and Eddie J. Middlebrooks, EE80:July 80:339
Evapotranspiration Bed Design, Arthur F. Beck, TN: EE2:Apr 79:411:14474
Spray Application of Wastewater Effluent in a Cold Climate: Performance Evaluation of a Full-Scale Plant, E. Allan Cassell, Donald W. Meals, J. R. Bouzoun, C. James Martel and Wallace A. Bronson, EE80:July 80:620
Transport of Viruses through Organic Soils and Sediments, Phillip R. Scheuerman, Gabriel Bitton, Allen R. Overman and George E. Gifford, EE4: Aug 79:629:14756
Zero Discharge Waste Management for a Coal-Fired Power Plant under Environmental and Resource Constraints, R. T. Fellman, M. F. Kuo, H. H. Yeh and J. F. Fitzpatrick, EE80:July 80:221

Sewage Filtration
Effectiveness of Backwashing for Wastewater Filters, John L. Cleasby and James C. Lorence, EE4:Aug 78:749:13967

Sewage Sludge
Anaerobic Digestion of Waste and Activated Sludge, James M. Gossett and Roy L. Belser, EE80:July 80:33
Biological Drying of Sewage Sludge—A New Composting Process, F. C. Miller, S. T. McGregor, M. S. Finstein and J. Cirello, EE80:July 80:40
Comparative Metals Precipitation Techniques, Lynn P. Croy and William R. Knocke, EE80:July 80:534
Effective Sludge Disposal — A Question of Policy, Martin Lang, EE80:July 80:664
Heat Treatment and Vacuum Filtration of Metal-Laden Municipal Sludge, Bert L. Michalczyk and Ronald F. Wukasch, EE80:July 80:25
Metals Removal from Wastewater Sludges with Liquid-Ion Exchange, David A. Cornwell and Gary C. Cline, EE80:July 80:540
Pretreatment of Sewage for Heavy Metal Removals, Ju-Chang Huang and Patrick M. McCole, EE80: July 80:236
A Review of Design Fundamentals is Needed, Mark J. Hammer, EE80:July 80:167

Sewage Treatment
Advanced Waste Treatment Investments, G. Kenneth Young, EE4:Aug 80:681:15597
Aquaculture Systems for Wastewater Treatment, Edward R. Pershe, EE80:July 80:103
Atmospheric Sublayer Transport and Odor Control, George E. Wilson, Jerry Y.C. Huang and Terry W. Schroepfer, EE2:Apr 80:389:15358
Declining-Rate Versus Constant-Rate Filtration, Luiz Di Bernardo and John L. Cleasby, EE6:Dec 80: 1023:15891
Design Criteria for Aerobic Aerated Lagoons, Dhandapani Thirumurthi, EE1:Feb 79:135:14392
Diffusion and Reaction in Biological Nitrification, Enrique J. LaMotta and Wen K. Shieh, EE4:Aug 79:655:14759
Economic Analysis of Granular-Bed Filtration, Raymond D. Letterman, EE2:Apr 80:279:15337
Effect of Design on Economy of Aerobic Digestion, Otto Brody, EE2:Apr 79:383:14547
Energy Conservation in Activated Sludge Systems, Sal D'Angelo, H. David Stensel and J. C. Goldman, EE4:Aug 80:773:15636
Environmental Effects of Water Reuse Scheme, Emanuel Idelovitch, EE3:June 80:561:15466
Expansion of Effluent Constrained Treatment Plants, Brian J. Williams, EE3:June 80:571:15469
Ground-Water Quality at Rapid Infiltration Site, James V. Olson, Ronald W. Crites and Paul E. Levine, EE5:Oct 80:885:15768
Heat Treatment and Vacuum Filtration of Metal-Laden Municipal Sludge, Bert L. Michalczyk and Ronald F. Wukasch, EE80:July 80:25
Hydraulic Considerations in Declining-Rate Filtration, John L. Cleasby and Luiz Di Bernardo, EE6:Dec 80:1043:15892
Ideal Flow Patterns for Equalization Basins, Ely Anthony R. Ouano, TN: EE4:Aug 78:817:13913

Kinetics of Bacterial Deactivation with Chlorine, Robert E. Selleck, Bernard M. Saunier and Harvey F. Collins, EE6:Dec 78:1197:14247
Kinetics of Pure Oxygen Activated Sludge, Gedaliah Shelef and Michal Green, EE6:Dec 80:1099:15884
A Review of Design Fundamentals is Needed, Mark J. Hammer, EE80:July 80:167
Sewage Treatment Costs: Assessing the Impact on Communities, Lawrence B. Cahill and Heather L. Burns, EE80:July 80:191
Simulation Modeling of Primary Clarifiers, Raymond L. Alarie, Edward A. McBean and Grahame J. Farquhar, EE2:Apr 80:293:15312
Soil Chemistry Changes at Rapid Infiltration Site, Paul E. Levine, Ronald W. Crites and James V. Olson, EE5:Oct 80:869:15767
Stochastic Design of Flow Equilization Basins, Campbell D. MacInnes, Andrew C. Middleton and Kazimierz Adamowski, EE6:Dec 78:1275:14251
TEACUP Pretreatment of Wastewaters, George E. Wilson, EE80:July 80:651
Upgrading Lagoon Effluents with Rock Filters, Gregory R. Swanson and Kenneth J. Williamson, EE6:Dec 80:1111:15887

Sewage Treatment Plants
Aerosols in the Treatment Plant Environment, C. Richard Walter and Guy D. Van Doren, EE80:July 80:488
Air Quality Modeling of A Sewage Treatment Plant, Walter G. Hoydysh and Richard P. Barth, EE80: July 80:494
Codisposal of Sludge and Refuse, William F. Cosulich and Miro Dvirka, EE80:July 80:592
Extended Aeration Treatment at Maryland State Parks, James E. Alleman and Joanne S. Colt, EE80:July 80:175
Large Advance Waste Treatment Plants, Donald E. Eckmann, TN: EE4:Aug 80:840:15588
Modeling Combined Sewer Storage Alternatives, Hagop L. Shahabian, Anthony J. Graham and George E. Kamedulski, EE80:July 80:480
A Review of Design Fundamentals is Needed, Mark J. Hammer, EE80:July 80:167
Sewage Treatment Costs: Assessing the Impact on Communities, Lawrence B. Cahill and Heather L. Burns, EE80:July 80:191
Spray Application of Wastewater Effluent in a Cold Climate: Performance Evaluation of a Full-Scale Plant, E. Allan Cassell, Donald W. Meals, J. R. Bouzoun, C. James Martel and Wallace A. Bronson, EE80:July 80:620
Storm Water Treatment with Minor Plant Alterations, George R. Brower, Robert H. Brotherton and John B. Kincaid, EE80:July 80:472

Sewers
Storm Water Treatment with Minor Plant Alterations, George R. Brower, Robert H. Brotherton and John B. Kincaid, EE80:July 80:472

Simulation
Analysis and Design of Equalization Facilities, Gilles G. Patry, EE80:July 80:183
Municipal/Industrial Waste Landfill Simulators, James J. Walsh, Riley N. Kinman and Nancy S. Neely, EE80:July 80:62
Numerical Simulation of Gas Flow in Sanitary Landfills, Angelos N. Findikakis and James O. Leckie, EE5:Oct 79:927:14896
Simulation of Sulfur Cycle in Estuarine Sediments, David A. Bella and Kenneth J. Williamson, EE1: Feb 80:125:15174

Simulation Models
Analysis and Design of Equalization Facilities, Gilles G. Patry, EE80:July 80:183
Water Quality Modeling Using Computer Graphics, Peter N. French and Daniel P. Loucks, EE80:July 80:138

Site Selection
Broad Area Searches for Hazardous Waste Disposal, Allen W. Hatheway, Pickett T. Simpson and John L. Splendore, EE80:July 80:329
NEWCO and SCA — Harbingers for Future Hazardous Waste Siting Wrangles?, Peter N. Skinner, EE80:July 80:657
Siting of Hazardous Waste Management Facilities, Dawn D. Roderique and Timothy D. Van Epp, EE80:July 80:320
A Systematic Approach to Landfill Evaluation, D. Randy Junkins and Michael H. Corbin, EE80:July 80:50

Site Selection Studies
Nuclear Facilities Siting, Paul Kruger, EE3:June 79: 443:14615

Skimming
Oil Booms and Skimmer Walls: A Comparison, James J. Sharp, TN: EE5:Oct 80:991:15723

Sludge
Effect of Design on Economy of Aerobic Digestion, Otto Brody, EE2:Apr 79:383:14547
Engineering Design Variables for the Activated Sludge Process, Lloyd W. Weller, Chmn., EE3:June 80:473:15509
Leachate Generation from a Sludge Disposal Area, Wayne A. Charlie, Richard E. Wardwell and Orlando B. Andersland, EE5:Oct 79:947:14884
Treating Industrial Wastewater of Varying Quality and Quantity, Sydney H. Stilley, EE80:July 80:553

Sludge Digestion
Biokinetics of Phosphorus Removal in PHOSTRIP Activated Sludge, Raymond W. Reagan and John B. Nesbitt, EE80:July 80:282
Effect of Design on Economy of Aerobic Digestion, Otto Brody, EE2:Apr 79:383:14547
Trenching of Digested Sludge, L. J. Sikora, N. H. Frankos, C. M. Murray and J. M. Walker, EE2:Apr 80:351:15310

Sludge Disposal
Biokinetics of Phosphorus Removal in PHOSTRIP Activated Sludge, Raymond W. Reagan and John B. Nesbitt, EE80:July 80:282
Codisposal of Sludge and Refuse, William F. Cosulich and Miro Dvirka, EE80:July 80:592
Effective Sludge Disposal — A Question of Policy, Martin Lang, EE80:July 80:664
Leachate Generation from a Sludge Disposal Area, Wayne A. Charlie, Richard E. Wardwell and Orlando B. Andersland, EE5:Oct 79:947:14884
Metals Removal from Wastewater Sludges with Liquid-Ion Exchange, David A. Cornwell and Gary C. Cline, EE80:July 80:540
Pretreatment of Sewage for Heavy Metal Removals, Ju-Chang Huang and Patrick M. McCole, EE80: July 80:236
Trenching of Digested Sludge, L. J. Sikora, N. H. Frankos, C. M. Murray and J. M. Walker, EE2:Apr 80:351:15310

Sludge Drying
Biological Drying of Sewage Sludge—A New Composting Process, F. C. Miller, S. T. McGregor, M. S. Finstein and J. Cirello, EE80:July 80:40
Codisposal of Sludge and Refuse, William F. Cosulich and Miro Dvirka, EE80:July 80:592
Comparative Metals Precipitation Techniques, Lynn P. Croy and William R. Knocke, EE80:July 80:534
Effective Sludge Disposal — A Question of Policy, Martin Lang, EE80:July 80:664
Vacuum Filtration of Metal Hydroxide Sludges, William R. Knocke, Mriganka M. Ghosh and John T. Novak, EE2:Apr 80:363:15363

Sludge Treatment
Applicability of Kynch Theory to Flocculent Suspensions, Byong S. Shin and Richard I. Dick, EE3:June 80:505:15461

Snow
Water Pollution from Snow Removal Operations, Bruce W. Pierstorff and Paul L. Bishop, EE2:Apr 80:377:15331

Social Needs
Effective Sludge Disposal — A Question of Policy, Martin Lang, EE80:July 80:664
Siting of Hazardous Waste Management Facilities, Dawn D. Roderique and Timothy D. Van Epp, EE80:July 80:320

Social Participation
Siting of Hazardous Waste Management Facilities, Dawn D. Roderique and Timothy D. Van Epp, EE80:July 80:320

Softening
Simulation of Lime-Soda Softening, Li-Shiang Liang, Irvine W. Wei and Henry G. Sideropoulos, EE5:Oct 80:935:15756

Soil Chemistry
Soil Chemistry Changes at Rapid Infiltration Site, Paul E. Levine, Ronald W. Crites and James V. Olson, EE5:Oct 80:869:15767

Soil Moisture
Effluent Irrigation at Lubbock, Texas, Robert M. Sweazy, Heyward R. Ramsey, III and George A. Whetstone, EE80:July 80:357

Soil Properties
Cation Transport in Packed Bed Reactor of Soil, Allen R. Overman, Brian R. McMahon, Rolan L. Chu and Flora C. Wang, EE2:Apr 80:267:15321

Solid Waste Disposal
Hospital Solid Waste Management: A Case Study, Damodar S. Airan, John H. Bell, Lalita D. Airan and Daniel T. McMurray, EE4:Aug 80:741:15613
Multiattribute Utility Theory and Environmental Decisions, John P. Collins and Eugene A. Glysson, EE4:Aug 80:815:15648

Solid Wastes
Anaerobic Digestion of Cannery Tomato Solid Wastes, David J. Hills and Ronald S. Dykstra, EE2:Apr 80:257:15318
Hospital Solid Waste Management: A Case Study, Damodar S. Airan, John H. Bell, Lalita D. Airan and Daniel T. McMurray, EE4:Aug 80:741:15613
Leachate Generation from a Sludge Disposal Area, Wayne A. Charlie, Richard E. Wardwell and Orlando B. Andersland, EE5:Oct 79:947:14884
Leachate Recycle as Landfill Management Option, Frederick G. Pohland, EE6:Dec 80:1057:15899
Moisture Retention of Landfilled Solid Wastes, Raymond L. Huitric, Sagar Raksit and Roger T. Haug, EE80:July 80:55
Regional Resource Recovery Center Cost Analysis, Paul L. Bishop, Elizabeth Howard, Marcia Flinkstrom, Cindy White and Robert Cook, EE5:Oct 80:977:15760
Synfuel Facilities: Environmental Control Strategies, Warren H. Chesner and Howard Wiseman, EE80:July 80:504

Sorption
Convection Limited Sorption Kinetics in Packed Beds, David W. Hendricks, EE4:Aug 80:727:15605

Spoil
Methodology for Effluent Water Quality Prediction, Bert A. Eichenberger and Kenneth Y. Chen, EE1:Feb 80:197:15212

Spoil Banks
Methodology for Effluent Water Quality Prediction, Bert A. Eichenberger and Kenneth Y. Chen, EE1:Feb 80:197:15212

Spraying
Spray Application of Wastewater Effluent in a Cold Climate: Performance Evaluation of a Full-Scale Plant, E. Allan Cassell, Donald W. Meals, J. R. Bouzoun, C. James Martel and Wallace A. Bronson, EE80:July 80:620

Sprinkler Irrigation
Aerosols in the Treatment Plant Environment, C. Richard Walter and Guy D. Van Doren, EE80:July 80:488

Stack Gases
Demonstration d-RDF Burn GSA Pentagon Power Plant, H. M. Freeman, Jay Campbell and M. A. Golembiewski, EE80:July 80:598

State Laws
Broad Area Searches for Hazardous Waste Disposal, Allen W. Hatheway, Pickett T. Simpson and John L. Splendore, EE80:July 80:329

Statistical Analysis
Approximate BOD Treatment Requirements for Urban Runoff, Udai P. Singh, Ronald L. Wycoff and Gregory L. Tate, EE1:Feb 79:3:14360
Calculating Overflows from Combined Sewer Systems, Kirke E. Larson, EE5:Oct 79:829:14883
Classification of Hazardous Wastes, Albert J. Klee and Michael U. Flanders, EE1:Feb 80:163:15205
Heat Treatment and Vacuum Filtration of Metal-Laden Municipal Sludge, Bert L. Michalczyk and Ronald F. Wukasch, EE80:July 80:25
Industrial Waste Monitoring: A Statistical Approach, Gerald W. Foess and Wayne St. John, EE5:Oct 80:947:15758
Kinetic Model for Flocculation with Polymers, Peter M. Huck and Keith L. Murphy, EE4:Aug 78:767:13950
Mathematical Modeling of Humic Substances Removal with Activated Carbon Beds, Michael C. Lee, John C. Crittenden, Vernon L. Snoeyink and William E. Thacker, EE80:July 80:387
Meteorological Impacts on Urban Sulfate Levels, William A. Turner and Constantine J. Gregory, EE2:Apr 80:311:15348
Prediction of Septic-System Failures, Gary B. Saxton and Joseph M. Zeneski, EE3:June 79:503:14609
Statistical Reliability of Ambient Noise Surveys, Daniel A. Driscoll and William J. Webster, EE80:July 80:399
Stormwater Treatment Systems, Mitchell J. Small and Dominic M. DiToro, EE3:June 79:557:14617

Stochastic Models
Time Series Modeling of Chicago Particulates, William D. O'Neill, EE5:Oct 79:855:14887
Water Quality Evaluation of Regional Wastewater Management, Barry J. Adams and Robert S. Gemmell, EE2:Apr 80:437:15362

Storage Tanks
Stormwater Detention in Developing Watersheds, Christopher B. Amandes and Philip B. Bedient, EE2:Apr 80:403:15335

Storm Runoff
Modeling Storm Overflow Impacts on Eutrophic Lake, Paul L. Freedman, Raymond P. Canale and James F. Pendergast, EE2:Apr 80:335:15355

Storm Water
Calculating Overflows from Combined Sewer Systems, Kirke E. Larson, EE5:Oct 79:829:14883
Combined Sewer Overflow Controls for Boston Harbor, John R. Elwood, William F. Callahan and John A. Mueller, EE80:July 80:464
Control of Stormwater Runoff in a Rural Area, Pamela B. Katz, John A. Ripp and Deborah K. Martin, EE80:July 80:372
Pollutant Concentrations form Homogenous Land Uses, Irwin Polls and Richard Lanyon, EE1:Feb 80:69:15169

Stormwater Analysis and Prediction in Houston, Philip B. Bedient, Douglas A. Harned and William G. Characklis, EE6:Dec 78:1087:14237
Stormwater Detention in Developing Watersheds, Christopher B. Amandes and Philip B. Bedient, EE2:Apr 80:403:15335
Stormwater Interception and Storage, Dominic M. Di Toro and Mitchell J. Small, EE1:Feb 79:43:14368
Stormwater Treatment Systems, Mitchell J. Small and Dominic M. DiToro, EE3:June 79:557:14617
Storm Water Treatment with Minor Plant Alterations, George R. Brower, Robert H. Brotherton and John B. Kincaid, EE80:July 80:472

Stream Flow
Water Source Investigation for Newport News, Va., Robert C. Dolecki, Richard E. Underhill and James A. Rhodes, EE80:July 80:249

Streams
Assessing Nonpoint Water Quality for Small Streams, Michael E. Meadows, Dennis W. Weeter and James M. Green, EE6:Dec 78:1119:14232
Sediment Oxygen Demand and Nutrient Release, Preston S. Chiaro and Dennis A. Burke, EE1:Feb 80:177:15206

Streets
Water Pollution from Snow Removal Operations, Bruce W. Pierstorff and Paul L. Bishop, EE2:Apr 80:377:15331

Striped Bass
Modeling of PCB Fate in the Hudson River System, Robert V. Thomann, Paul C. Pacquin and James J. Fitzpatrick, EE80:July 80:130

Stripping
Organics in Water—An Engineering Challenge, Perry L. McCarty, EE1:Feb 80:1:15180

Subsurface Investigations
A Systematic Approach to Landfill Evaluation, D. Randy Junkins and Michael H. Corbin, EE80:July 80:50

Subways
Control of Construction Noise, Stan Potter and A. Paolillo, EE80:July 80:421
Control of Noise and Vibration in Buildings Near Subways, A. Paolillo and H. Podolsky, EE80:July 80:414

Sulfates
Meteorological Impacts on Urban Sulfate Levels, William A. Turner and Constantine J. Gregory, EE2:Apr 80:311:15348
Organics Removal by Ion Exchange-Process Design, Christine Ann Macko and Walter J. Maier, EE80: July 80:394

Surface Mining
Surface-Mining Legislation and Regulation, Jerome P. Harper, EE1:Feb 80:145:15170

Surface Runoff
Approximate BOD Treatment Requirements for Urban Runoff, Udai P. Singh, Ronald L. Wycoff and Gregory L. Tate, EE1:Feb 79:3:14360
Biological Contamination of Finished Water Reservoirs, J. Sykora, Maurice A. Shapiro and G. Keleti, EE80:July 80:267

Surveys (Data Collection)
Assessing Nonpoint Water Quality for Small Streams, Michael E. Meadows, Dennis W. Weeter and James M. Green, EE6:Dec 78:1119:14232
Control of Noise of Rapid Transit Cars, A. Paolillo and W. A. Jehle, EE80:July 80:406
Statistical Reliability of Ambient Noise Surveys, Daniel A. Driscoll and William J. Webster, EE80: July 80:399

Suspended Load
Time Series Modeling of Chicago Particulates, William D. O'Neill, EE5:Oct 79:855:14887

Suspended Sediments
Dynamic Estimation of Settling Basin Performance, Sadataka Shiba, Yoriteru Inoue and Yasuyo Ueda, EE6:Dec 79:1113:15045
Secondary Treatment Alternatives: Suspended Growth, Gordon L. Culp, Chmn., EE2:Apr 79:283: 14528

Suspended Solids
Engineering Design Variables for the Activated Sludge Process, Lloyd W. Weller, Chmn., EE3:June 80:473:15509
Methodology for Effluent Water Quality Prediction, Bert A. Eichenberger and Kenneth Y. Chen, EE1: Feb 80:197:15212
Modeling Combined Sewer Storage Alternatives, Hagop L. Shahabian, Anthony J. Graham and George E. Kamedulski, EE80:July 80:480
Modeling Suspended Solids and Associated Bacteria in Natural Water Systems, Christopher G. Uchrin and Walter J. Weber, Jr., EE80:July 80:160
Nonpoint Source Loads and Impacts to a Water Supply Reservoir, Charles J. Newell and Philip B. Bedient, EE80:July 80:364
Oxygen Transfer Standard—Basin Geometry and Mixing (Abstract), Thomas C. Rooney and Ronald N. Salzman, EE80:July 80:94
Simulation Modeling of Primary Clarifiers, Raymond L. Alarie, Edward A. McBean and Grahame J. Farquhar, EE2:Apr 80:293:15312
TEACUP Pretreatment of Wastewaters, George E. Wilson, EE80:July 80:651

Suspension
Applicability of Kynch Theory to Flocculent Suspensions, Byong S. Shin and Richard I. Dick, EE3:June 80:505:15461

Synthesis
Synfuel Facilities: Environmental Control Strategies, Warren H. Chesner and Howard Wiseman, EE80: July 80:504

Synthetic Natural Gas
Biological Treatment of Synthetic Fuel Wastewater, Richard G. Luthy, Deborah J. Sekel and James T. Tallon, EE3:June 80:609:15459

Temperature
Performance of Package Water Treatment Plants, James M. Morand and Matthew J. Young, EE80: July 80:526
Proposed Modifications of K_2—Temperture Relation, Linfield C. Brown and Michael K. Stenstrom, TN: EE6:Dec 80:1193:15869

Tennessee
Storm Water Treatment with Minor Plant Alterations, George R. Brower, Robert H. Brotherton and John B. Kincaid, EE80:July 80:472

Testing
Alpha, Beta, and Theta Factors For Oxygen Transfer Testing, Michael K. Stenstrom and R. Gary Gilbert, EE80:July 80:86

Test Procedures
Oxygen Transfer Measurements in Respiring Systems, John R. Stukenberg, EE80:July 80:78

Texas
Effluent Irrigation at Lubbock, Texas, Robert M. Sweazy, Heyward R. Ramsey, III and George A. Whetstone, EE80:July 80:357
Stormwater Analysis and Prediction in Houston, Philip B. Bedient, Douglas A. Harned and William G. Characklis, EE6:Dec 78:1087:14237

Thermal Power Plants
Zero Discharge Waste Management for a Coal-Fired Power Plant under Environmental and Resource Constraints, R. T. Fellman, M. F. Kuo, H. H. Yeh and J. F. Fitzpatrick, EE80:July 80:221

Thickening
Applicability of Kynch Theory to Flocculent Suspensions, Byong S. Shin and Richard I. Dick, EE3:June 80:505:15461

Tidal Waters
Mathematical Modeling of Dissolved Oxygen in Mixed Estuaries, Yasar F. Ozturk, EE5:Oct 79:883:14923

Time Dependence
Stochastic Design of Flow Equilization Basins, Campbell D. MacInnes, Andrew C. Middleton and Kazimierz Adamowski, EE6:Dec 78:1275:14251

Time Series Analysis
Time Series Modeling of Chicago Particulates, William D. O'Neill, EE5:Oct 79:855:14887

Tomatoes
Anaerobic Digestion of Cannery Tomato Solid Wastes, David J. Hills and Ronald S. Dykstra, EE2:Apr 80:257:15318

Toxicity
Air Pollution Aspects of Land Disposal of Toxic Wastes, Thomas T. Shen and T. James Tofflemire, EE1:Feb 80:211:15213
Engineering Design Variables for the Activated Sludge Process, Lloyd W. Weller, Chmn., EE3:June 80:473:15509
Installation Restoration—An Army Initiative, Frank A. Jones, Jr., Donald K. Emig and John P. Glennon, EE80:July 80:571
Location and Remediation of Abandoned Hazardous Wastes Sites, Norman H. Nosenchuck, EE80:July 80:560
Modeling Effects of Environmental Stresses due to Industrial Wastes on Gas Production by Landfill Sediments, S. Roychowdhury, L. Y. Young, D. Cox, J. Powers, J. Sharkey and M. Levandowsky, EE80:July 80:75
Modeling of PCB Fate in the Hudson River System, Robert V. Thomann, Paul C. Pacquin and James J. Fitzpatrick, EE80:July 80:130
Modeling Toxicity in Methane Fermentation Systems, Gene F. Parkin and Richard E. Speece, EE80:July 80:288
Municipal/Industrial Waste Landfill Simulators, James J. Walsh, Riley N. Kinman and Nancy S. Neely, EE80:July 80:62

Toxic Waste Disposal
Air Pollution Aspects of Land Disposal of Toxic Wastes, Thomas T. Shen and T. James Tofflemire, EE1:Feb 80:211:15213

Trace Elements
Ground-Water Quality at Rapid Infiltration Site, James V. Olson, Ronald W. Crites and Paul E. Levine, EE5:Oct 80:885:15768
Hydraulic Analysis of Model Treatment Units, Frederick L. Hart and Santosh K. Gupta, EE4:Aug 78:785:13955

Transmission Lines
Environmental Optimization of Power Lines, Spyros Economides and Manijeh Sharifi, EE4:Aug 78:675:13951

Transportation Models
Dispersion Modeling in Time and Two Dimensions, Jonathan F. Henry and Edward G. Foree, EE6:Dec 79:1131:15054

Travel Time
Underground Travel of Renovated Wastewater, Robert C. Rice and Peter Raats, EE6:Dec 80:1079:15912

Trenching
Trenching of Digested Sludge, L. J. Sikora, N. H. Frankos, C. M. Murray and J. M. Walker, EE2:Apr 80:351:15310

Trophic Level
Lake Process Models Applied to Reservoir Management, Wesley L. Bradford and David J. Maiero, EE5:Oct 78:981:14100

Tunneling (Excavation)
Control of Construction Noise, Stan Potter and A. Paolillo, EE80:July 80:421

Turbulence
Settling in Continuous Sedimentation Tanks, J. Francisco Cordoba-Molina, Robert R. Hudgins and Peter L. Silveston, EE6:Dec 78:1261:14231

Urban Areas
Combined Sewer Overflow Controls for Boston Harbor, John R. Elwood, William F. Callahan and John A. Mueller, EE80:July 80:464
Low Flow and Stormwater Quality in Urban Channels, Philip B. Bedient, Jeff L. Lambert and Paulo Machado, EE2:Apr 80:421:15336
Urban Storm Runoff Quality in Southeast Michigan, Peter G. Collins and James W. Ridgway, EE1:Feb 80:153:15199

Urbanization
Stormwater Analysis and Prediction in Houston, Philip B. Bedient, Douglas A. Harned and William G. Characklis, EE6:Dec 78:1087:14237

Urban Studies
Approximate BOD Treatment Requirements for Urban Runoff, Udai P. Singh, Ronald L. Wycoff and Gregory L. Tate, EE1:Feb 79:3:14360

U.S. Navy
Management of Hazardous Waste Using Regional Concepts, Richard A. Gardner and Mahlon B. White, EE80:July 80:453

Utility Theory
Multiattribute Utility Theory and Environmental Decisions, John P. Collins and Eugene A. Glysson, EE4:Aug 80:815:15648

Utilization
Digester Gas Utilization Programs, Raymond R. Rimkus, John M. Ryan and Alfred J. Michuda, EE6:Dec 80:1071:15902

Vacuum Filtration
Heat Treatment and Vacuum Filtration of Metal-Laden Municipal Sludge, Bert L. Michalczyk and Ronald F. Wukasch, EE80:July 80:25
Vacuum Filtration of Metal Hydroxide Sludges, William R. Knocke, Mriganka M. Ghosh and John T. Novak, EE2:Apr 80:363:15363

Vapor Pressure
Air Pollution Aspects of Land Disposal of Toxic Wastes, Thomas T. Shen and T. James Tofflemire, EE1:Feb 80:211:15213

Velocity Head
Dividing-Flow Manifolds with Square-Edged Laterals, Herbert E. Hudson, Jr., Robert B. Uhler and Robert W. Bailey, EE4:Aug 79:745:14764

Venezuela
Modeling Pollution in Strait of Maracaibo, Gustavo Parra-Pardi, EE5:Oct 80:959:15751

Vibration
Control of Noise and Vibration in Buildings Near Subways, A. Paolillo and H. Podolsky, EE80:July 80:414

Vibration Control
Control of Noise and Vibration in Buildings Near Subways, A. Paolillo and H. Podolsky, EE80:July 80:414

Virginia
Management of Hazardous Waste Using Regional Concepts, Richard A. Gardner and Mahlon B. White, EE80:July 80:453

Viruses
Ozone Inactivation of Floc Associated Viruses and Bacteria, Douglas S. Walsh, Charles E. Buck and Otis J. Sproul, EE4:Aug 80:711:15601
Transport of Viruses through Organic Soils and Sediments, Phillip R. Scheuerman, Gabriel Bitton, Allen R. Overman and George E. Gifford, EE4: Aug 79:629:14756

Volatility
Air Pollution Aspects of Land Disposal of Toxic Wastes, Thomas T. Shen and T. James Tofflemire, EE1:Feb 80:211:15213

Waste Assimilative Capacity
Modeling Waste Assimilation After Channelization, Edward C. Davis and Edward L. Thackston, EE80: July 80:153

Waste Disposal
Biokinetics of Phosphorus Removal in PHOSTRIP Activated Sludge, Raymond W. Reagan and John B. Nesbitt, EE80:July 80:282
Broad Area Searches for Hazardous Waste Disposal, Allen W. Hatheway, Pickett T. Simpson and John L. Splendore, EE80:July 80:329
Case Study of a Hazardous Waste Disposal Facility, David E. Murray, EE80:July 80:433
Energy Recovery From Waste and Biomass—Site Specific Economic Studies, Roger C. Bales, Ira J. Wright and Lory E. Larson, EE80:July 80:582
Environmental Effects of Water Reuse Scheme, Emanuel Idelovitch, EE3:June 80:561:15466
Filtration for Treating Metal-Finishing Wastes, Charles H.H. Yeh and Mriganka M. Ghosh, EE80: July 80:546
Fluoride, Nitrate, Arsenic, and Selenium Removal From Small Community Water Supplies, Dennis Clifford, Maheyar Bilimoria, Gurinder Singh and Tom Sorg, EE80:July 80:514
The Impacts of the Resource Conservation and Recovery Act on Wood Fired Energy Systems, Hugh T. Carson and Dennis W. Weeter, EE80:July 80:508
Indirect Techniques for Investigating Hazardous Waste Burial Sites, Richard C. Dorrler, EE80:July 80:576
Land Treatment Design Based on Long-Term Operation, Daniel J. Hinrichs and Richard Thomas, EE80:July 80:355
Leach Characteristics of Coal-Gasification Char, Richard G. Luthy, Pantelis Vassiliou and Mark J. Carter, EE1:Feb 80:81:15171
Location and Remediation of Abandoned Hazardous Wastes Sites, Norman H. Nosenchuck, EE80:July 80:560
The Love Canal Remedial Action Report, Joseph L. Slack, EE80:July 80:564
Managed On-Site Disposal in Unsewered Areas, George E. Wilson, Jerry Y.C. Huang, George Tchobanoglous and Gil Wheeler, EE3:June 79:583: 14619
Management of Hazardous Waste Using Regional Concepts, Richard A. Gardner and Mahlon B. White, EE80:July 80:453
NEWCO and SCA — Harbingers for Future Hazardous Waste Siting Wrangles?, Peter N. Skinner, EE80:July 80:657
Secure Land Burial of Hazardous Wastes: A State-of-the-Art Example, Robert D. Mutch, Jr., EE80:July 80:426
Synfuel Facilities: Environmental Control Strategies, Warren H. Chesner and Howard Wiseman, EE80: July 80:504
TEACUP Pretreatment of Wastewaters, George E. Wilson, EE80:July 80:651
Wastewater Risk Assessment, Neil J. Hutzler and William C. Boyle, EE5:Oct 80:919:15748
Zero Discharge Waste Management for a Coal-Fired Power Plant under Environmental and Resource Constraints, R. T. Fellman, M. F. Kuo, H. H. Yeh and J. F. Fitzpatrick, EE80:July 80:221

Waste Recycling
Regional Resource Recovery Center Cost Analysis, Paul L. Bishop, Elizabeth Howard, Marcia Flinkstrom, Cindy White and Robert Cook, EE5: Oct 80:977:15760

Wastes
Anaerobic Digestion of Cannery Tomato Solid Wastes, David J. Hills and Ronald S. Dykstra, EE2:Apr 80:257:15318
Broad Area Searches for Hazardous Waste Disposal, Allen W. Hatheway, Pickett T. Simpson and John L. Splendore, EE80:July 80:329
Case Study of a Hazardous Waste Disposal Facility, David E. Murray, EE80:July 80:433
Classification of Hazardous Wastes, Albert J. Klee and Michael U. Flanders, EE1:Feb 80:163:15205
Filtration for Treating Metal-Finishing Wastes, Charles H.H. Yeh and Mriganka M. Ghosh, EE80: July 80:546
Location and Remediation of Abandoned Hazardous Wastes Sites, Norman H. Nosenchuck, EE80:July 80:560
Management of Hazardous Waste Using Regional Concepts, Richard A. Gardner and Mahlon B. White, EE80:July 80:453
NEWCO and SCA — Harbingers for Future Hazardous Waste Siting Wrangles?, Peter N. Skinner, EE80:July 80:657
RCRA Implementation and the Environmental Engineer's Role, John Lynch, EE80:July 80:199
Secure Land Burial of Hazardous Wastes: A State-of-the-Art Example, Robert D. Mutch, Jr., EE80:July 80:426
Siting of Hazardous Waste Management Facilities, Dawn D. Roderique and Timothy D. Van Epp, EE80:July 80:320

Waste Stabilization Ponds
Dynamic Nutrient Cycle for Waste Stabilization Ponds, Raymond A. Ferrara and Donald R.F. Harleman, EE1:Feb 80:37:15168

Waste Treatment
Alpha, Beta, and Theta Factors For Oxygen Transfer Testing, Michael K. Stenstrom and R. Gary Gilbert, EE80:July 80:86
Aquaculture Systems for Wastewater Treatment, Edward R. Pershe, EE80:July 80:103
Comparative Metals Precipitation Techniques, Lynn P. Croy and William R. Knocke, EE80:July 80:534
Dynamic Nutrient Cycle for Waste Stabilization Ponds, Raymond A. Ferrara and Donald R.F. Harleman, EE1:Feb 80:37:15168
Large Advance Waste Treatment Plants, Donald E. Eckmann, TN: EE4:Aug 80:840:15588
Management of Hazardous Waste Using Regional Concepts, Richard A. Gardner and Mahlon B. White, EE80:July 80:453
Modeling Framework to Address AWT Decisions, Thomas W. Gallagher and Richard P. Winfield, EE80:July 80:604
Occurence of Organic Compounds and Removal by AWT Processes, Kip Kuchon, EE80:July 80:612
Vacuum Filtration of Metal Hydroxide Sludges, William R. Knocke, Mriganka M. Ghosh and John T. Novak, EE2:Apr 80:363:15363

Zero Discharge Waste Management for a Coal-Fired Power Plant under Environmental and Resource Constraints, R. T. Fellman, M. F. Kuo, H. H. Yeh and J. F. Fitzpatrick, EE80:July 80:221

Wastewater

Aerosols in the Treatment Plant Environment, C. Richard Walter and Guy D. Van Doren, EE80:July 80:488
Alpha, Beta, and Theta Factors For Oxygen Transfer Testing, Michael K. Stenstrom and R. Gary Gilbert, EE80:July 80:86
Biokinetics of Phosphorus Removal in PHOSTRIP Activated Sludge, Raymond W. Reagan and John B. Nesbitt, EE80:July 80:282
Disposal of Hazardous Toxic Munition Waste, Irving Forsten, EE80:July 80:440
Evaluation of Land Treatment of Wastewater in California, John R. Thornton and James D. Goff, EE80:July 80:106
Forage Grass Growth on Overland Flow Systems, Antonio J. Palazzo, C. James Martel and Thomas F. Jenkins, EE80:July 80:347
Land Treatment Design Based on Long-Term Operation, Daniel J. Hinrichs and Richard Thomas, EE80:July 80:355
Metals Removal from Wastewater Sludges with Liquid-Ion Exchange, David A. Cornwell and Gary C. Cline, EE80:July 80:540
Modeling Toxicity in Methane Fermentation Systems, Gene F. Parkin and Richard E. Speece, EE80:July 80:288
Oxygen Transfer Measurements in Respiring Systems, John R. Stukenberg, EE80:July 80:78
Potential for Water Reuse—A Computer Model, Ed Smith, Steve Shelton, Manette Messenger and Barry Peterman, EE80:July 80:634
Sensitivity Analyses of Wastewater Treatment Plant Design Parameters, Karl G. Voelkel and Lawrence B. Polkowski, EE80:July 80:307
Underground Travel of Renovated Wastewater, Robert C. Rice and Peter Raats, EE6:Dec 80:1079: 15912
Use of Highly-Treated Wastewater to Recharge the Ground-Water Reservoir in Nassau County, Long Island, New York, David A. Aronson, EE80:July 80:214
Water Quality Evaluation of Regional Wastewater Management, Barry J. Adams and Robert S. Gemmell, EE2:Apr 80:437:15362

Wastewater Treatment

Aerosols in the Treatment Plant Environment, C. Richard Walter and Guy D. Van Doren, EE80:July 80:488
Aquaculture Systems for Wastewater Treatment, Edward R. Pershe, EE80:July 80:103
Biokinetics of Phosphorus Removal in PHOSTRIP Activated Sludge, Raymond W. Reagan and John B. Nesbitt, EE80:July 80:282
Biological Treatment of Synthetic Fuel Wastewater, Richard G. Luthy, Deborah J. Sekel and James T. Tallon, EE3:June 80:609:15459
Dynamic Estimation of Settling Basin Performance, Sadataka Shiba, Yoriteru Inoue and Yasuyo Ueda, EE6:Dec 79:1113:15045
The Effect of Complex Formation on the Removal of Heavy Metals from Water and Wastewater, C. P. Huang and A. R. Bowers, EE80:July 80:240
Energy and Costs for Agricultural Reuse of Wastewater, R. S. Sletten, Sherwood C. Reed and Eddie J. Middlebrooks, EE80:July 80:339
Energy Conservation in Activated Sludge Systems, Sal D'Angelo, H. David Stensel and J. C. Goldman, EE4:Aug 80:773:15636
Eutrophication-Related Water Quality in Dillon Reservoir, H. Kirk Horstman, G. Fred Lee and R. Anne Jones, EE80:July 80:144
Final Clarifiers for Activated Sludge Plants, Shankha K. Banerji, Chmn., EE5:Oct 79:803:14930
Fluidized Bed for Biological Wastewater Treatment, Theodore C. Stathis, EE1:Feb 80:227:15215
Forage Grass Growth on Overland Flow Systems, Antonio J. Palazzo, C. James Martel and Thomas F. Jenkins, EE80:July 80:347
Judiciously Planned Bench Scale Studies are Extremely Valuable in AWT Process Selection, Madan L. Arora, Margaret J. Bliss and Ken M. Trompeter, EE80:July 80:100
Land Treatment Design Based on Long-Term Operation, Daniel J. Hinrichs and Richard Thomas, EE80:July 80:355
Metals Removal from Wastewater Sludges with Liquid-Ion Exchange, David A. Cornwell and Gary C. Cline, EE80:July 80:540
Modeling Framework to Address AWT Decisions, Thomas W. Gallagher and Richard P. Winfield, EE80:July 80:604
Occurence of Organic Compounds and Removal by AWT Processes, Kip Kuchon, EE80:July 80:612
Pretreatment Case Studies of Metal Finishers, John E. Eason, EE80:July 80:229
Pretreatment of Sewage for Heavy Metal Removals, Ju-Chang Huang and Patrick M. McCole, EE80: July 80:236
Rational Design of Overland Flow Systems, C. James Martel, D. Dean Adrian, Thomas F. Jenkins and Robert E. Peters, EE80:July 80:114
Reuse Alternatives in the Los Angeles Basin, Brian L. Ramaley, Gordon P. Treweek, Frank A. Grant and E. Wiley Horne, EE80:July 80:207
A Review of Design Fundamentals is Needed, Mark J. Hammer, EE80:July 80:167
Sensitivity Analyses of Wastewater Treatment Plant Design Parameters, Karl G. Voelkel and Lawrence B. Polkowski, EE80:July 80:307
Stormwater Treatment Systems, Mitchell J. Small and Dominic M. DiToro, EE3:June 79:557:14617
A Streamlined Approach to Biological Nitrogen Removal, Laurence J. Sauter, Jr. and James E. Alleman, EE80:July 80:296
TEACUP Pretreatment of Wastewaters, George E. Wilson, EE80:July 80:651
A Ten Year Improvement in Water Quality in a Major Okanagan Valley Lake as a Result of Municipal Wastewater Phosphorus Reduction, Agris Berzins, EE80:July 80:627

Wastewater Use

Data Systems for Reuse Planning, David H. Bauer, EE80:July 80:644
Energy and Costs for Agricultural Reuse of Wastewater, R. S. Sletten, Sherwood C. Reed and Eddie J. Middlebrooks, EE80:July 80:339
Evaluation of Land Treatment of Wastewater in California, John R. Thornton and James D. Goff, EE80:July 80:106
Planning, Design, Construction and Operation of a Reclaimed Water System, Shahnawaz Ahmad and James C. Lundie, EE80:July 80:122
Potential for Water Reuse—A Computer Model, Ed Smith, Steve Shelton, Manette Messenger and Barry Peterman, EE80:July 80:634
Rational Design of Overland Flow Systems, C. James Martel, D. Dean Adrian, Thomas F. Jenkins and Robert E. Peters, EE80:July 80:114
Reuse Alternatives in the Los Angeles Basin, Brian L. Ramaley, Gordon P. Treweek, Frank A. Grant and E. Wiley Horne, EE80:July 80:207

Water Balance

Moisture Retention of Landfilled Solid Wastes, Raymond L. Huitric, Sagar Raksit and Roger T. Haug, EE80:July 80:55

Water Conservation

Potential for Water Reuse—A Computer Model, Ed Smith, Steve Shelton, Manette Messenger and Barry Peterman, EE80:July 80:634

Water Demand

Dual Recharge Well for Water Supply Stabilization, William H. Fleming, Jr. and Gerald E. Speitel, EE80:July 80:257

Water Management (Applied)
Disposal of Hazardous Toxic Munition Waste, Irving Forsten, EE80:July 80:440
Eutrophication-Related Water Quality in Dillon Reservoir, H. Kirk Horstman, G. Fred Lee and R. Anne Jones, EE80:July 80:144

Water Pollution
Assessing Nonpoint Water Quality for Small Streams, Michael E. Meadows, Dennis W. Weeter and James M. Green, EE6:Dec 78:1119:14232
Control of Stormwater Runoff in a Rural Area, Pamela B. Katz, John A. Ripp and Deborah K. Martin, EE80:July 80:372
Design Criteria for Aerobic Aerated Lagoons, Dhandapani Thirumurthi, EE1:Feb 79:135:14392
Distribution of Oil Pollution Residues, Ian A. Furzer, EE6:Dec 80:1171:15904
Effective Sludge Disposal — A Question of Policy, Martin Lang, EE80:July 80:664
Effect of Design on Economy of Aerobic Digestion, Otto Brody, EE2:Apr 79:383:14547
Environmental Effects of Water Reuse Scheme, Emanuel Idelovitch, EE3:June 80:561:15466
Estuarine Sediments: Successional Model, Kenneth J. Williamson and David A. Bella, EE4:Aug 80:695:15595
Expansion of Effluent Constrained Treatment Plants, Brian J. Williams, EE3:June 80:571:15469
Highway Construction Impact on Water-Supply Lakes, Kok-Heng Tan and Dhandapani Thirumurthi, EE5:Oct 78:997:14052
Index To Evaluate Lake Restoration, Donald B. Porcella, Spencer A. Peterson and David P. Larsen, EE6:Dec 80:1151:15893
In-Stream Deoxygenation Rate Prediction, Raymond M. Wright and Archie J. McDonnell, EE2:Apr 79:323:14523
The Love Canal Remedial Action Report, Joseph L. Slack, EE80:July 80:564
Methodology for Effluent Water Quality Prediction, Bert A. Eichenberger and Kenneth Y. Chen, EE1:Feb 80:197:15212
Modeling Pollution in Strait of Maracaibo, Gustavo Parra-Pardi, EE5:Oct 80:959:15751
Modeling Suspended Solids and Associated Bacteria in Natural Water Systems, Christopher G. Uchrin and Walter J. Weber, Jr., EE80:July 80:160
Oil Booms and Skimmer Walls: A Comparison, James J. Sharp, TN: EE5:Oct 80:991:15723
Pretreatment Case Studies of Metal Finishers, John E. Eason, EE80:July 80:229
Road Salts Movement into Two Toronto Streams, William S. Scott, EE3:June 80:547:15468
Southern Illinois Mine Waste Control Plan: A Summary, William C. Pisano and Gerald L. Aronson, EE1:Feb 80:55:15167
Upgrading Lagoon Effluents with Rock Filters, Gregory R. Swanson and Kenneth J. Williamson, EE6:Dec 80:1111:15887
Urban Storm Runoff Quality in Southeast Michigan, Peter G. Collins and James W. Ridgway, EE1:Feb 80:153:15199
Water Pollution from Snow Removal Operations, Bruce W. Pierstorff and Paul L. Bishop, EE2:Apr 80:377:15331

Water Pollution Control
Effluent Irrigation at Lubbock, Texas, Robert M. Sweazy, Heyward R. Ramsey, III and George A. Whetstone, EE80:July 80:357

Water Pollution Sources
Data Systems for Reuse Planning, David H. Bauer, EE80:July 80:644
Nonpoint Source Loads and Impacts to a Water Supply Reservoir, Charles J. Newell and Philip B. Bedient, EE80:July 80:364
Stormwater Analysis and Prediction in Houston, Philip B. Bedient, Douglas A. Harned and William G. Characklis, EE6:Dec 78:1087:14237
Urban Storm Runoff Quality in Southeast Michigan, Peter G. Collins and James W. Ridgway, EE1:Feb 80:153:15199

Water Purification
Zero Discharge Waste Management for a Coal-Fired Power Plant under Environmental and Resource Constraints, R. T. Fellman, M. F. Kuo, H. H. Yeh and J. F. Fitzpatrick, EE80:July 80:221

Water Quality
Approximate BOD Treatment Requirements for Urban Runoff, Udai P. Singh, Ronald L. Wycoff and Gregory L. Tate, EE1:Feb 79:3:14360
Assessing Nonpoint Water Quality for Small Streams, Michael E. Meadows, Dennis W. Weeter and James M. Green, EE6:Dec 78:1119:14232
Combined Sewer Overflow Controls for Boston Harbor, John R. Elwood, William F. Callahan and John A. Mueller, EE80:July 80:464
Data Systems for Reuse Planning, David H. Bauer, EE80:July 80:644
Declining-Rate Versus Constant-Rate Filtration, Luiz Di Bernardo and John L. Cleasby, EE6:Dec 80:1023:15891
Dynamic Water Quality Modeling in Southeast Florida, R. Uwe Jettmar, George K. Young, Armando I. Perez and Robert Oros, EE1:Feb 80:105:15173
Estuarine Sediments: Successional Model, Kenneth J. Williamson and David A. Bella, EE4:Aug 80:695:15595
Eutrophication-Related Water Quality in Dillon Reservoir, H. Kirk Horstman, G. Fred Lee and R. Anne Jones, EE80:July 80:144
Formulating Alternatives for Environmental Studies, David R. Boone, EE3:June 80:527:15486
Highway Construction Impact on Water-Supply Lakes, Kok-Heng Tan and Dhandapani Thirumurthi, EE5:Oct 78:997:14052
Hydraulic Considerations in Declining-Rate Filtration, John L. Cleasby and Luiz Di Bernardo, EE6:Dec 80:1043:15892
In-Stream Deoxygenation Rate Prediction, Raymond M. Wright and Archie J. McDonnell, EE2:Apr 79:323:14523
Laboratory Studies of Gas Tracers for Reaeration, Ronald E. Rathbun, D. W. Stephens, David J. Shultz and D. Y. Tai, EE2:Apr 78:215:13679
Least Squares Estimates of BOD Parameters, Thomas O. Barnwell, Jr., TN: EE6:Dec 80:1197:15869
Low Flow and Stormwater Quality in Urban Channels, Philip B. Bedient, Jeff L. Lambert and Paulo Machado, EE2:Apr 80:421:15336
Nonpoint Source Loads and Impacts to a Water Supply Reservoir, Charles J. Newell and Philip B. Bedient, EE80:July 80:364
Organics in Water—An Engineering Challenge, Perry L. McCarty, EE1:Feb 80:1:15180
Performance of Package Water Treatment Plants, James M. Morand and Matthew J. Young, EE80:July 80:526
Pollutant Concentrations form Homogenous Land Uses, Irwin Polls and Richard Lanyon, EE1:Feb 80:69:15169
Saturation Kinetics for Preferential Nitrogen Uptake, David S. Bowles and William J. Grenney, TN: EE4:Aug 80:833:15588
Secure Land Burial of Hazardous Wastes: A State-of-the-Art Example, Robert D. Mutch, Jr., EE80:July 80:426
Sediment Oxygen Demand and Nutrient Release, Preston S. Chiaro and Dennis A. Burke, EE1:Feb 80:177:15206
Stormwater Analysis and Prediction in Houston, Philip B. Bedient, Douglas A. Harned and William G. Characklis, EE6:Dec 78:1087:14237
Synfuel Facilities: Environmental Control Strategies, Warren H. Chesner and Howard Wiseman, EE80:July 80:504
A Ten Year Improvement in Water Quality in a Major Okanagan Valley Lake as a Result of Municipal Wastewater Phosphorus Reduction, Agris Berzins, EE80:July 80:627
Upgrading Lagoon Effluents with Rock Filters, Gregory R. Swanson and Kenneth J. Williamson, EE6:Dec 80:1111:15887

Urban Storm Runoff Quality in Southeast Michigan, Peter G. Collins and James W. Ridgway, EE1:Feb 80:153:15199
Waikato River Pollutant Flushing Rates, J. C. Rutherford, M. E.U. Taylor and J. D. Davies, EE6: Dec 80:1131:15939
Water Defluoridation with Activated Alumina, Yeun C. Wu and Anan Nitya, EE2:Apr 79:357:14544
Water Pollution from Snow Removal Operations, Bruce W. Pierstorff and Paul L. Bishop, EE2:Apr 80:377:15331
Water Quality, Energy, Legislation: Challenge of the 80's, Carmen F. Guarino, EE80:July 80:1
Water Quality Evaluation of Regional Wastewater Management, Barry J. Adams and Robert S. Gemmell, EE2:Apr 80:437:15362
Water Quality Indexing and Scoring, Roy O. Ball and Richard L. Church, EE4:Aug 80:757:15617
Water Quality Modeling Using Computer Graphics, Peter N. French and Daniel P. Loucks, EE80:July 80:138

Water Quality Standards
Index To Evaluate Lake Restoration, Donald B. Porcella, Spencer A. Peterson and David P. Larsen, EE6:Dec 80:1151:15893

Water Reclamation
Data Systems for Reuse Planning, David H. Bauer, EE80:July 80:644
Planning, Design, Construction and Operation of a Reclaimed Water System, Shahnawaz Ahmad and James C. Lundie, EE80:July 80:122
Reuse Alternatives in the Los Angeles Basin, Brian L. Ramaley, Gordon P. Treweek, Frank A. Grant and E. Wiley Horne, EE80:July 80:207
Water Reuse Markets and Project Costs in Southern California, Frank A. Grant, Norman G. Hixson, Paul Teigen and E. Wiley Horne, EE80:July 80:640

Water Resources
Water Quality Modeling Using Computer Graphics, Peter N. French and Daniel P. Loucks, EE80:July 80:138
Water Source Investigation for Newport News, Va., Robert C. Dolecki, Richard E. Underhill and James A. Rhodes, EE80:July 80:249

Water Resources Development
Comparison of Tangibles and Intangibles, Ian G. Wallis, EE4:Aug 78:625:13959

Water Reuse
Data Systems for Reuse Planning, David H. Bauer, EE80:July 80:644
Environmental Effects of Water Reuse Scheme, Emanuel Idelovitch, EE3:June 80:561:15466
Planning, Design, Construction and Operation of a Reclaimed Water System, Shahnawaz Ahmad and James C. Lundie, EE80:July 80:122
Potential for Water Reuse—A Computer Model, Ed Smith, Steve Shelton, Manette Messenger and Barry Peterman, EE80:July 80:634
Reuse Alternatives in the Los Angeles Basin, Brian L. Ramaley, Gordon P. Treweek, Frank A. Grant and E. Wiley Horne, EE80:July 80:207
Use of Highly-Treated Wastewater to Recharge the Ground-Water Reservoir in Nassau County, Long Island, New York, David A. Aronson, EE80:July 80:214
Water Reuse Markets and Project Costs in Southern California, Frank A. Grant, Norman G. Hixson, Paul Teigen and E. Wiley Horne, EE80:July 80:640
Zero Discharge Waste Management for a Coal-Fired Power Plant under Environmental and Resource Constraints, R. T. Fellman, M. F. Kuo, H. H. Yeh and J. F. Fitzpatrick, EE80:July 80:221

Water Sampling
Alternatives for Reducing Nitrate in Municipal Supplies at McFarland, Calif., Gerald A. Guter and Ernest Kartinen, Jr., EE80:July 80:520

Watersheds (Basins)
Stormwater Detention in Developing Watersheds, Christopher B. Amandes and Philip B. Bedient, EE2:Apr 80:403:15335

Water Shortage
Data Systems for Reuse Planning, David H. Bauer, EE80:July 80:644
Nonpoint Source Loads and Impacts to a Water Supply Reservoir, Charles J. Newell and Philip B. Bedient, EE80:July 80:364
Water Reuse Markets and Project Costs in Southern California, Frank A. Grant, Norman G. Hixson, Paul Teigen and E. Wiley Horne, EE80:July 80:640

Water Storage
Biological Contamination of Finished Water Reservoirs, J. Sykora, Maurice A. Shapiro and G. Keleti, EE80:July 80:267
Stormwater Interception and Storage, Dominic M. Di Toro and Mitchell J. Small, EE1:Feb 79:43:14368
Water Source Investigation for Newport News, Va., Robert C. Dolecki, Richard E. Underhill and James A. Rhodes, EE80:July 80:249

Water Supply
Alternatives for Reducing Nitrate in Municipal Supplies at McFarland, Calif., Gerald A. Guter and Ernest Kartinen, Jr., EE80:July 80:520
Biological Contamination of Finished Water Reservoirs, J. Sykora, Maurice A. Shapiro and G. Keleti, EE80:July 80:267
Data Systems for Reuse Planning, David H. Bauer, EE80:July 80:644
Dual Recharge Well for Water Supply Stabilization, William H. Fleming, Jr. and Gerald E. Speitel, EE80:July 80:257
Fluoride, Nitrate, Arsenic, and Selenium Removal From Small Community Water Supplies, Dennis Clifford, Maheyar Bilimoria, Gurinder Singh and Tom Sorg, EE80:July 80:514
Nonpoint Source Loads and Impacts to a Water Supply Reservoir, Charles J. Newell and Philip B. Bedient, EE80:July 80:364
Organics Removal by Ion Exchange-Process Design, Christine Ann Macko and Walter J. Maier, EE80: July 80:394
Reuse Alternatives in the Los Angeles Basin, Brian L. Ramaley, Gordon P. Treweek, Frank A. Grant and E. Wiley Horne, EE80:July 80:207
Small Water Systems: Role of Technology, Robert M. Clark, EE1:Feb 80:19:15181
Use of Highly-Treated Wastewater to Recharge the Ground-Water Reservoir in Nassau County, Long Island, New York, David A. Aronson, EE80:July 80:214
Water Source Investigation for Newport News, Va., Robert C. Dolecki, Richard E. Underhill and James A. Rhodes, EE80:July 80:249

Water Supply Systems
Planning, Design, Construction and Operation of a Reclaimed Water System, Shahnawaz Ahmad and James C. Lundie, EE80:July 80:122

Water Treatment
Biological Contamination of Finished Water Reservoirs, J. Sykora, Maurice A. Shapiro and G. Keleti, EE80:July 80:267
Control of Trihalomethanes Using Powdered Carbon, Mark C. Anderson, R. C. Butler, B. H. Kornegay and W. D. Pfoutz, EE80:July 80:378
Convection Limited Sorption Kinetics in Packed Beds, David W. Hendricks, EE4:Aug 80:727:15605
Declining-Rate Versus Constant-Rate Filtration, Luiz Di Bernardo and John L. Cleasby, EE6:Dec 80: 1023:15891
Dual Rate Kinetic Model of Fixed Bed Adsorber, Russell G. Peel and Andrew Benedek, EE4:Aug 80: 797:15638
Economic Analysis of Granular-Bed Filtration, Raymond D. Letterman, EE2:Apr 80:279:15337

The Effect of Complex Formation on the Removal of Heavy Metals from Water and Wastewater, C. P. Huang and A. R. Bowers, EE80:July 80:240
High-Rate Filtration in Polymer-Treated Sand Bed, John J. Byeseda and Nicholas D. Sylvester, EE2: Apr 79:231:14525
Hydraulic Considerations in Declining-Rate Filtration, John L. Cleasby and Luiz Di Bernardo, EE6:Dec 80:1043:15892
Metals Removal from Wastewater Sludges with Liquid-Ion Exchange, David A. Cornwell and Gary C. Cline, EE80:July 80:540
Multiple-Tap Column Design for Adsorbents, Kent E. Zenobia and Irwin H. Suffet, TN: EE4:Aug 80: 852:15588
Optimum Backwashing of Sand Filters, Appiah Amirtharajah, EE5:Oct 78:917:14078
Organics in Water—An Engineering Challenge, Perry L. McCarty, EE1:Feb 80:1:15180
Performance of Package Water Treatment Plants, James M. Morand and Matthew J. Young, EE80: July 80:526
Settling in Continuous Sedimentation Tanks, J. Francisco Cordoba-Molina, Robert R. Hudgins and Peter L. Silveston, EE6:Dec 78:1261:14231
Simulation of Lime-Soda Softening, Li-Shiang Liang, Irvine W. Wei and Henry G. Sideropoulos, EE5: Oct 80:935:15756
Small Water Systems: Role of Technology, Robert M. Clark, EE1:Feb 80:19:15181
Storm Water Treatment with Minor Plant Alterations, George R. Brower, Robert H. Brotherton and John B. Kincaid, EE80:July 80:472

Water Treatment Plants
Performance of Package Water Treatment Plants, James M. Morand and Matthew J. Young, EE80: July 80:526

Water Use
Data Systems for Reuse Planning, David H. Bauer, EE80:July 80:644
Water Quality Indexing and Scoring, Roy O. Ball and Richard L. Church, EE4:Aug 80:757:15617
Water Reuse Markets and Project Costs in Southern California, Frank A. Grant, Norman G. Hixson, Paul Teigen and E. Wiley Horne, EE80:July 80:640

Weirs
Hydraulic Design of Flow Distribution Channels, Junn-Ling Chao and R. Rhodes Trussell, EE2:Apr 80:321:15317

Wells
Case Study of a Hazardous Waste Disposal Facility, David E. Murray, EE80:July 80:433
Dual Recharge Well for Water Supply Stabilization, William H. Fleming, Jr. and Gerald E. Speitel, EE80:July 80:257

Wesley W. Horner Award
Stormwater Treatment Systems, Mitchell J. Small and Dominic M. DiToro, EE3:June 79:557:14617

Wind Tunnel Models
Air Quality Modeling of A Sewage Treatment Plant, Walter G. Hoydysh and Richard P. Barth, EE80: July 80:494

Wood
The Impacts of the Resource Conservation and Recovery Act on Wood Fired Energy Systems, Hugh T. Carson and Dennis W. Weeter, EE80:July 80:508

Writing
State of the Journal, Otis J. Sproul, Chmn., EE6:Dec 80:1013:15930

Yield
Forage Grass Growth on Overland Flow Systems, Antonio J. Palazzo, C. James Martel and Thomas F. Jenkins, EE80:July 80:347

1980 EE NAME INDEX

Adamowski, Kazimierz
See Campbell D. MacInnes, EE6:Dec 78:1275:14251

Adams, Barry J.
Water Quality Evaluation of Regional Wastewater Management, with Robert S. Gemmell, EE2:Apr 80:437:15362
TR:145:707

Adrian, D. Dean
See C. James Martel, EE80:July 80:114

Ahmad, Shahnawaz
Planning, Design, Construction and Operation of a Reclaimed Water System, with James C. Lundie, EE80:July 80:122

Airan, Damodar S.
Hospital Solid Waste Management: A Case Study, with John H. Bell, Lalita D. Airan and Daniel T. McMurray, EE4:Aug 80:741:15613

Airan, Lalita D.
See Damodar S. Airan, EE4:Aug 80:741:15613

Alarie, Raymond L.
Simulation Modeling of Primary Clarifiers, with Edward A. McBean snd Grahame J. Farquhar, EE2:Apr 80:293:15312
Dsc: Richard F. Barror and Edward D. Schroeder, EE6:Dec 80:15864; T. H. Y. Tebbutt, EE6:Dec 80:15864
TR:145:666

Alleman, James E.
Extended Aeration Treatment at Maryland State Parks, with Joanne S. Colt, EE80:July 80:175
See Laurence J. Sauter, Jr., EE80:July 80:296

Amandes, Christopher B.
Stormwater Detention in Developing Watersheds, with Philip B. Bedient, EE2:Apr 80:403:15335
TR:145:688

Amirtharajah, Appiah
Optimum Backwashing of Sand Filters, EE5:Oct 78:917:14078
Dsc: Henry L. Thackwell, EE5:Oct 79:1021:14864
Clo: EE4:Aug 80:859:15582
TR:145:129
Dsc, EE2:Apr 79:59:14468, of "Effectiveness of Backwashing for Wastewater Filters", EE4:Aug 78:749:13967

Andersland, Orlando B.
See Wayne A. Charlie, EE5:Oct 79:947:14884

Anderson, Mark C.
Control of Trihalomethanes Using Powdered Carbon, with R. C. Butler, B. H. Kornegay and W. D. Pfoutz, EE80:July 80:378

Andrews, John F.
See Michael K. Stenstrom, EE4:Aug 80:787:15627

Arceivala, Sorab J.
Dsc, EE1:Feb 80:250:15158, of "Design Criteria for Aerobic Aerated Lagoons", EE1:Feb 79:135:14392

Argaman, Yerachmiel
Dsc, EE4:Aug 79:792:14270, of "Kinetic Model for Flocculation with Polymers", EE4:Aug 78:767:13950

Aronson, David A.
Use of Highly-Treated Wastewater to Recharge the Ground-Water Reservoir in Nassau County, Long Island, New York, EE80:July 80:214

Aronson, Gerald L.
See William C. Pisano, EE1:Feb 80:55:15167

Arora, Madan L.
Judiciously Planned Bench Scale Studies are Extremely Valuable in AWT Process Selection, with Margaret J. Bliss and Ken M. Trompeter, EE80:July 80:100

Bagchi, Amalendu
Dsc, EE5:Oct 80:1005:15717, of "Leachate Generation from a Sludge Disposal Area", EE5:Oct 79:947:14884

Bailey, Robert W.
See Herbert E. Hudson, Jr., EE4:Aug 79:745:14764

Bales, Roger C.
Energy Recovery From Waste and Biomass—Site Specific Economic Studies, with Ira J. Wright and Lory E. Larson, EE80:July 80:582

Ball, Roy O.
Water Quality Indexing and Scoring, with Richard L. Church, EE4:Aug 80:757:15617

Balling, Robert C., Jr.
Evaluating Odor Reduction Technologies: Model, with Carroll E. Reynolds, EE5:Oct 80:901:15743

Banerji, Shankha K.
Final Clarifiers for Activated Sludge Plants, EE5:Oct 79:803:14930
Dsc: Thiruvenkatachari Viraraghavan, EE4:Aug 80:867:15582
Errata: EE3:June 80:680:15441
TR:145:529

Barnwell, Thomas O., Jr.
Least Squares Estimates of BOD Parameters, TN: EE6:Dec 80:15869

Barror, Richard F.
Dsc, with Edward D. Schroeder, EE6:Dec 80:15864, of "Simulation Modeling of Primary Clarifiers", EE2:Apr 80:293:15312

Barth, Richard P.
See Walter G. Hoydysh, EE80:July 80:494

Bauer, David H.
Data Systems for Reuse Planning, EE80:July 80:644

Beck, Arthur F.
Evapotranspiration Bed Design, TN: EE2:Apr 79:411:14474
Dsc: Frederick J. Costello, TN: EE6:Dec 79:1200:15006
Clo: TN: EE4:Aug 80:863:15582

Bedient, Philip B.
Low Flow and Stormwater Quality in Urban Channels, with Jeff L. Lambert and Paulo Machado, EE2:Apr 80:421:15336
TR:145:692
Stormwater Analysis and Prediction in Houston, with Douglas A. Harned and William G. Characklis, EE6:Dec 78:1087:14237
Dsc: Elvidio V. Diniz and William H. Espey, Jr., EE6:Dec 79:1196:15006; Marshall E. Jennings, EE1:Feb 80:245:15158
TR:145:165
Dsc, EE2:Apr 80:459:15296, of "Assessing Nonpoint Water Quality for Small Streams", EE6:Dec 78:1119:14232
See Christopher B. Amandes, EE2:Apr 80:403:15335
See Charles J. Newell, EE80:July 80:364

Bell, John H.
See Damodar S. Airan, EE4:Aug 80:741:15613

Bella, David A.
Simulation of Sulfur Cycle in Estuarine Sediments, with Kenneth J. Williamson, EE1:Feb 80:125:15174
TR:145:622
Dsc, EE3:June 80:672:15441, of "Prediction of Septic-System Failures", EE3:June 79:503:14609
See Kenneth J. Williamson, EE4:Aug 80:695:15595

Belser, Roy L.
See James M. Gossett, EE80:July 80:33

Benedek, Andrew
See Russell G. Peel, EE4:Aug 80:797:15638

Benson, Ronald E., Jr.
Containment of Heavy Metals with Natural Materials, EE80:July 80:69

Berzins, Agris
A Ten Year Improvement in Water Quality in a Major Okanagan Valley Lake as a Result of Municipal Wastewater Phosphorus Reduction, EE80:July 80:627

Bilimoria, Maheyar
See Dennis Clifford, EE80:July 80:514

Bishop, Paul L.
Regional Resource Recovery Center Cost Analysis, with Elizabeth Howard, Marcia Flinkstrom, Cindy White and Robert Cook, EE5:Oct 80:977:15760
See Bruce W. Pierstorff, EE2:Apr 80:377:15331

Bitton, Gabriel
See Phillip R. Scheuerman, EE4:Aug 79:629:14756

Bixby, Richard
Dsc, EE3:June 80:674:15441, of "Transport of Viruses through Organic Soils and Sediments", EE4:Aug 79:629:14756

Bliss, Margaret J.
See Madan L. Arora, EE80:July 80:100

Bliven, F. Larry
See Fred A. Koehler, EE2:Apr 80:470:15296

Boone, David R.
Formulating Alternatives for Environmental Studies, EE3:June 80:527:15486
TR:145:726

Bouzoun, J. R.
See E. Allan Cassell, EE80:July 80:620

Bowers, A. R.
See C. P. Huang, EE80:July 80:240

Bowles, David S.
Saturation Kinetics for Preferential Nitrogen Uptake, with William J. Grenney, TN: EE4:Aug 80:833:15588

Boyle, William C.
See Neil J. Hutzler, EE5:Oct 80:919:15748

Bradford, Wesley L.
Lake Process Models Applied to Reservoir Management, with David J. Maiero, EE5:Oct 78:981:14100
Dsc: John A. Burnes, EE3:June 79:615:14597; Santosh R. Goswami, EE3:June 79:615:14597
Clo: EE2:Apr 80:458:15296
TR:145:140

Brody, Otto
Effect of Design on Economy of Aerobic Digestion, EE2:Apr 79:383:14547
Errata: EE3:June 80:671:15441
TR:145:4

Bronson, Wallace A.
See E. Allan Cassell, EE80:July 80:620

Brotherton, Robert H.
See George R. Brower, EE80:July 80:472

Brower, George R.
Storm Water Treatment with Minor Plant Alterations, with Robert H. Brotherton and John B. Kincaid, EE80:July 80:472

Brown, Graham J.
Lime Use in Anaerobic Filters, with Kuran-Chow Lin, Robert C. Landine, Albert A. Cocci and Thiruvenkatachari Viraraghavan, TN: EE4:Aug 80:837:15588

Brown, Linfield C.
Proposed Modifications of K_2—Temperture Relation, with Michael K. Stenstrom, TN: EE6:Dec 80:15869

Buck, Charles E.
See Douglas S. Walsh, EE4:Aug 80:711:15601

Bulusu, K. R.
Dsc, with B. N. Pathak, EE2:Apr 80:466:15296, of "Water Defluoridation with Activated Alumina", EE2:Apr 79:357:14544

Burke, Dennis A.
See Preston S. Chiaro, EE1:Feb 80:177:15206

Burnes, John A.
Dsc, EE3:June 79:615:14597, of "Lake Process Models Applied to Reservoir Management", EE5:Oct 78:981:14100

Burns, Heather L.
See Lawrence B. Cahill, EE80:July 80:191

Butler, R. C.
See Mark C. Anderson, EE80:July 80:378

Byeseda, John J.
High-Rate Filtration in Polymer-Treated Sand Bed, with Nicholas D. Sylvester, EE2:Apr 79:231:14525
Dsc: Ahmet M. Saatci and Charles Oulman, EE2:Apr 80:463:15296
Clo: EE5:Oct 80:1004:15717
TR:145:299

Cahill, Lawrence B.
Sewage Treatment Costs: Assessing the Impact on Communities, with Heather L. Burns, EE80:July 80:191

Callahan, William F.
See John R. Elwood, EE80:July 80:464

Campbell, Jay
See H. M. Freeman, EE80:July 80:598

Canale, Raymond P.
See Paul L. Freedman, EE2:Apr 80:335:15355

Carson, Hugh T.
The Impacts of the Resource Conservation and Recovery Act on Wood Fired Energy Systems, with Dennis W. Weeter, EE80:July 80:508

Carter, Mark J.
See Richard G. Luthy, EE1:Feb 80:81:15171

Cassell, E. Allan
Spray Application of Wastewater Effluent in a Cold Climate: Performance Evaluation of a Full-Scale Plant, with Donald W. Meals, J. R. Bouzoun, C. James Martel and Wallace A. Bronson, EE80:July 80:620

Chander, Subhash
Dsc, with Arun Kumar and S. K. Goyal, EE1:Feb 80:247:15158, of "Stochastic Design of Flow Equilization Basins", EE6:Dec 78:1275:14251

Chao, Juan-Ling
Hydraulic Design of Flow Distribution Channels, with R. Rhodes Trussell, EE2:Apr 80:321:15317
Dsc: Henry L. Thackwell, EE6:Dec 80:15864
TR:145:672
See R. Rhodes Trussell, EE4:Aug 79:796:14720

Characklis, William G.
See Philip B. Bedient, EE6:Dec 78:1087:14237

Charlie, Wayne A.
Leachate Generation from a Sludge Disposal Area, with Richard E. Wardwell and Orlando B. Andersland, EE5:Oct 79:947:14884
Dsc: Brian W. Mar, EE3:June 80:677:15441; Amalendu Bagchi, EE5:Oct 80:1005:15717
TR:145:480

Chen, Kenneth Y.
See Bert A. Eichenberger, EE1:Feb 80:197:15212

Chesner, Warren H.
Synfuel Facilities: Environmental Control Strategies, with Howard Wiseman, EE80:July 80:504

Chiaro, Preston S.
Sediment Oxygen Demand and Nutrient Release, with Dennis A. Burke, EE1:Feb 80:177:15206
TR:145:645

Chu, Rolan L.
See Allen R. Overman, EE2:Apr 80:267:15321

Church, Richard L.
Dsc, with Timothy J. Clifford, EE2:Apr 79:438:14468, of "Environmental Optimization of Power Lines", EE4:Aug 78:675:13951
See Roy O. Ball, EE4:Aug 80:757:15617

Cirello, J.
See F. C. Miller, EE80:July 80:40

Clark, Robert M.
Small Water Systems: Role of Technology, EE1:Feb 80:19:15181
TR:145:630

Cleasby, John L.
Effectiveness of Backwashing for Wastewater Filters, with James C. Lorence, EE4:Aug 78:749:13967
Dsc: Appiah Amirtharajah, EE2:Apr 79:59:14468
Clo: EE6:Dec 79:1192:15006
TR:145:3
Hydraulic Considerations in Declining-Rate Filtration, with Luiz Di Bernardo, EE6:Dec 80:15892
See Luiz Di Bernardo, EE6:Dec 80:15891

Clifford, Dennis
Fluoride, Nitrate, Arsenic, and Selenium Removal From Small Community Water Supplies, with Maheyar Bilimoria, Gurinder Singh and Tom Sorg, EE80:July 80:514

Clifford, Timothy J.
See Richard L. Church, EE2:Apr 79:438:14468

Cline, Gary C.
See David A. Cornwell, EE80:July 80:540

Cocci, Albert A.
See Graham J. Brown, TN: EE4:Aug 80:837:15588

Collins, Harvey F.
See Robert E. Selleck, EE6:Dec 78:1197:14247

Collins, John P.
Multiattribute Utility Theory and Environmental Decisions, with Eugene A. Glysson, EE4:Aug 80:815:15648

Collins, Peter G.
Urban Storm Runoff Quality in Southeast Michigan, with James W. Ridgway, EE1:Feb 80:153:15199
TR:145:636

Colonell, Joseph M.
Port Valdez Environmental Studies: 1976-1978, EE5:Oct 80:907:15738

Colt, Joanne S.
See James E. Alleman, EE80:July 80:175

Cook, Robert
See Paul L. Bishop, EE5:Oct 80:977:15760

Corbin, Michael H.
See D. Randy Junkins, EE80:July 80:50

Cordoba-Molina, J. Francisco
Settling in Continuous Sedimentation Tanks, with Robert R. Hudgins and Peter L. Silveston, EE6:Dec 78:1261:14231
Dsc: Sadataka Shiba, EE6:Dec 79:1194:15006
Clo: EE5:Oct 80:999:15717
TR:145:152

Cornwell, David A.
Metals Removal from Wastewater Sludges with Liquid-Ion Exchange, with Gary C. Cline, EE80:July 80:540

Costello, Frederick J.
Dsc, TN: EE6:Dec 79:1200:15006, of "Evapotranspiration Bed Design", TN: EE2:Apr 79:411:14474

Cosulich, William F.
Codisposal of Sludge and Refuse, with Miro Dvirka, EE80:July 80:592

Cox, D.
See S. Roychowdhury, EE80:July 80:75

Crites, Ronald W.
See Paul E. Levine, EE5:Oct 80:869:15767
See James V. Olson, EE5:Oct 80:885:15768

Crittenden, John C.
Mathematical Modeling of the Displacement of Preadsorbed Organics in Fixed-Bed Adsorbers, with Bryant W.C. Wong, William E. Thacker, Vernon L. Snoeyink and Richard L. Hinrichs, EE80:July 80:274
Model for Design of Multicomponent Adsorption Systems, with Walter J. Weber, Jr., EE6:Dec 78:1175:14230
TR:145:3
Dsc, EE6:Dec 79:1201:15006, of "Secondary Treatment Alternatives: Suspended Growth", EE2:Apr 79:283:14528
See Michael C. Lee, EE80:July 80:387

Croy, Lynn P.
Comparative Metals Precipitation Techniques, with William R. Knocke, EE80:July 80:534

Culp, Gordon L.
Secondary Treatment Alternatives: Suspended Growth, EE2:Apr 79:283:14528
Dsc: John C. Crittenden, EE6:Dec 79:1201:15006
Clo: EE4:Aug 80:863:15582
TR:145:311

D'Angelo, Sal
Energy Conservation in Activated Sludge Systems, with H. David Stensel and J. C. Goldman, EE4:Aug 80:773:15636

Davies, J. D.
See J. C. Rutherford, EE6:Dec 80:15939

Davis, Edward C.
Modeling Waste Assimilation After Channelization, with Edward L. Thackston, EE80:July 80:153

de Caprariis, Pascal
Dsc, EE4:Aug 79:798:14720, of "Comparison of Tangibles and Intangibles", EE4:Aug 78:625:13959

Dever, Raymond J., Jr.
Dsc, EE2:Apr 80:461:15296, of "Stormwater Interception and Storage", EE1:Feb 79:43:14368

DeWalle, Foppe B.
Ground-Water Pollution by Septic Tank Drainfields, with Russell M. Schaff, EE3:June 80:631:15496
TR:145:728

Di Bernardo, Luiz
Declining-Rate Versus Constant-Rate Filtration, with John L. Cleasby, EE6:Dec 80:15891
See John L. Cleasby, EE6:Dec 80:15892

Dick, Richard I.
See Byong S. Shin, EE3:June 80:505:15461

Diniz, Elvidio V.
Dsc, with William H. Espey, Jr., EE6:Dec 79:1196:15006, of "Stormwater Analysis and Prediction in Houston", EE6:Dec 78:1087:14237

Di Toro, Dominic M.
Stormwater Interception and Storage, with Mitchell J. Small, EE1:Feb 79:43:14368
Dsc: Raymond J. Dever, Jr., EE2:Apr 80:461:15296
TR:145:218
See Mitchell J. Small, EE3:June 79:557:14617

Dolecki, Robert C.
Water Source Investigation for Newport News, Va., with Richard E. Underhill and James A. Rhodes, EE80:July 80:249

Dorrler, Richard C.
Indirect Techniques for Investigating Hazardous Waste Burial Sites, EE80:July 80:576

Driscoll, Daniel A.
Statistical Reliability of Ambient Noise Surveys, with William J. Webster, EE80:July 80:399

Dvirka, Miro
See William F. Cosulich, EE80:July 80:592

Dykstra, Ronald S.
See David J. Hills, EE2:Apr 80:257:15318

Eason, John E.
Pretreatment Case Studies of Metal Finishers, EE80:July 80:229

Eckmann, Donald E.
Large Advance Waste Treatment Plants, TN: EE4:Aug 80:840:15588

Economides, Spyros
Environmental Optimization of Power Lines, with Manijeh Sharifi, EE4:Aug 78:675:13951
Dsc: Richard L. Church and Timothy J. Clifford, EE2:Apr 79:438:14468; Benjamin F. Hobbs, EE4:Aug 79:794:14720
Clo: EE3:June 80:670:15441
TR:145:83

Eichenberger, Bert A.
Methodology for Effluent Water Quality Prediction, with Kenneth Y. Chen, EE1:Feb 80:197:15212
TR:145:649

Elwood, John R.
Combined Sewer Overflow Controls for Boston Harbor, with William F. Callahan and John A. Mueller, EE80:July 80:464

Emig, Donald K.
See Frank A. Jones, Jr., EE80:July 80:571

Espey, William H., Jr.
See Elvidio V. Diniz, EE6:Dec 79:1196:15006

Evans, Ralph L.
See Veerasamy Kothandaraman, EE3:June 79:547:14616

Farquhar, Grahame J.
See Raymond L. Alarie, EE2:Apr 80:293:15312

Fellman, R. T.
Zero Discharge Waste Management for a Coal-Fired Power Plant under Environmental and Resource Constraints, with M. F. Kuo, H. H. Yeh and J. F. Fitzpatrick, EE80:July 80:221

Ferrara, Raymond A.
Dynamic Nutrient Cycle for Waste Stabilization Ponds, with Donald R.F. Harleman, EE1:Feb 80:37:15168
TR:145:597

Findikakis, Angelos N.
Numerical Simulation of Gas Flow in Sanitary Landfills, with James O. Leckie, EE5:Oct 79:927:14896
Dsc: Raymond Huitric, EE5:Oct 80:1009:15717
TR:145:512

Finstein, M. S.
See F. C. Miller, EE80:July 80:40

Fitzpatrick, J. F.
See R. T. Fellman, EE80:July 80:221

Fitzpatrick, James J.
See Robert V. Thomann, EE80:July 80:130

Flanders, Michael U.
See Albert J. Klee, EE1:Feb 80:163:15205

Fleming, William H., Jr.
Dual Recharge Well for Water Supply Stabilization, with Gerald E. Speitel, EE80:July 80:257

Flinkstrom, Marcia
See Paul L. Bishop, EE5:Oct 80:977:15760

Foess, Gerald W.
Industrial Waste Monitoring: A Statistical Approach, with Wayne St. John, EE5:Oct 80:947:15758

Foree, Edward G.
See Jonathan F. Henry, EE6:Dec 79:1131:15054

Forsten, Irving
Disposal of Hazardous Toxic Munition Waste, EE80: July 80:440

Frankos, N. H.
See L. J. Sikora, EE2:Apr 80:351:15310

Freedman, Paul L.
Modeling Storm Overflow Impacts on Eutrophic Lake, with Raymond P. Canale and James F. Pendergast, EE2:Apr 80:335:15355
TR:145:700

Freeman, H. M.
Demonstration d-RDF Burn GSA Pentagon Power Plant, with Jay Campbell and M. A. Golembiewski, EE80:July 80:598

French, Jonathan A.
Dsc, EE3:June 80:675:15441, of "Dividing-Flow Manifolds with Square-Edged Laterals", EE4:Aug 79:745:14764

French, Peter N.
Water Quality Modeling Using Computer Graphics, with Daniel P. Loucks, EE80:July 80:138

Furzer, Ian A.
Distribution of Oil Pollution Residues, EE6:Dec 80: 15904

Gallagher, Thomas W.
Modeling Framework to Address AWT Decisions, with Richard P. Winfield, EE80:July 80:604

Gardner, Richard A.
Management of Hazardous Waste Using Regional Concepts, with Mahlon B. White, EE80:July 80:453

Gemmell, Robert S.
See Barry J. Adams, EE2:Apr 80:437:15362

Ghosh, Mriganka M.
See William R. Knocke, EE2:Apr 80:363:15363
See Charles H.H. Yeh, EE80:July 80:546

Gifford, George E.
See Phillip R. Scheuerman, EE4:Aug 79:629:14756

Gilbert, R. Gary
See Michael K. Stenstrom, EE80:July 80:86

Glennon, John P.
See Frank A. Jones, Jr., EE80:July 80:571

Glysson, Eugene A.
See John P. Collins, EE4:Aug 80:815:15648

Goff, James D.
See John R. Thornton, EE80:July 80:106

Goldman, J. C.
See Sal D'Angelo, EE4:Aug 80:773:15636

Golembiewski, M. A.
See H. M. Freeman, EE80:July 80:598

Gossett, James M.
Anaerobic Digestion of Waste and Activated Sludge, with Roy L. Belser, EE80:July 80:33

Goswami, Santosh R.
Dsc, EE3:June 79:615:14597, of "Lake Process Models Applied to Reservoir Management", EE5: Oct 78:981:14100
Dsc, EE4:Aug 79:800:14720, of "Highway Construction Impact on Water-Supply Lakes", EE5: Oct 78:997:14052

Goyal, S. K.
See Subhash Chander, EE1:Feb 80:247:15158

Graber, S. David
Dsc, EE1:Feb 80:248:15158, of "Approximate BOD Treatment Requirements for Urban Runoff", EE1: Feb 79:3:14360

Graham, Anthony J.
See Hagop L. Shahabian, EE80:July 80:480

Grant, Frank A.
Water Reuse Markets and Project Costs in Southern California, with Norman G. Hixson, Paul Teigen and E. Wiley Horne, EE80:July 80:640
See Brian L. Ramaley, EE80:July 80:207

Green, James M.
See Michael E. Meadows, EE6:Dec 78:1119:14232

Green, Michal
See Gedaliah Shelef, EE6:Dec 80:15884

Gregory, Constantine J.
See William A. Turner, EE2:Apr 80:311:15348

Grenney, William J.
See David S. Bowles, TN: EE4:Aug 80:833:15588

Guarino, Carmen F.
Water Quality, Energy, Legislation: Challenge of the 80's, EE80:July 80:1

Gupta, Santosh K.
See Frederick L. Hart, EE4:Aug 78:785:13955

Guter, Gerald A.
Alternatives for Reducing Nitrate in Municipal Supplies at McFarland, Calif., with Ernest Kartinen, Jr., EE80:July 80:520

Haas, Charles N.
Dsc, EE6:Dec 79:1198:15006, of "Kinetics of Bacterial Deactivation with Chlorine", EE6:Dec 78: 1197:14247

Hammer, Mark J.
A Review of Design Fundamentals is Needed, EE80: July 80:167

Harleman, Donald R.F.
See Raymond A. Ferrara, EE1:Feb 80:37:15168

Harned, Douglas A.
See Philip B. Bedient, EE6:Dec 78:1087:14237

Harper, Jerome P.
Surface-Mining Legislation and Regulation, EE1:Feb 80:145:15170
TR:145:606

Harris, Ed P.
See Fred A. Koehler, TN: EE3:June 80:655:15447

Hart, Frederick L.
Hydraulic Analysis of Model Treatment Units, with Santosh K. Gupta, EE4:Aug 78:785:13955
Dsc: R. Rhodes Trussell, Robert E. Selleck and Junn-Ling Chao, EE4:Aug 79:796:14720
Clo: EE2:Apr 80:455:15296
TR:145:91

Hatheway, Allen W.
Broad Area Searches for Hazardous Waste Disposal, with Pickett T. Simpson and John L. Splendore, EE80:July 80:329

Haug, Roger T.
See Raymond L. Huitric, EE80:July 80:55

Hendricks, David W.
Convection Limited Sorption Kinetics in Packed Beds, EE4:Aug 80:727:15605

Henry, Jonathan F.
Dispersion Modeling in Time and Two Dimensions, with Edward G. Foree, EE6:Dec 79:1131:15054
Errata: EE6:Dec 80:15864
TR:145:581

Hills, David J.
Anaerobic Digestion of Cannery Tomato Solid Wastes, with Ronald S. Dykstra, EE2:Apr 80:257:15318
TR:145:676

Hinrichs, Daniel J.
Land Treatment Design Based on Long-Term Operation, with Richard Thomas, EE80:July 80:355

Hinrichs, Richard L.
See John C. Crittenden, EE80:July 80:274

Hixson, Norman G.
See Frank A. Grant, EE80:July 80:640

Hobbs, Benjamin F.
Dsc, EE4:Aug 79:794:14720, of "Environmental Optimization of Power Lines", EE4:Aug 78:675:13951

Horne, E. Wiley
See Brian L. Ramaley, EE80:July 80:207
See Frank A. Grant, EE80:July 80:640

Horstman, H. Kirk
Eutrophication-Related Water Quality in Dillon Reservoir, with G. Fred Lee and R. Anne Jones, EE80:July 80:144

Howard, Elizabeth
See Paul L. Bishop, EE5:Oct 80:977:15760

Hoydysh, Walter G.
Air Quality Modeling of A Sewage Treatment Plant, with Richard P. Barth, EE80:July 80:494

Hsiung, Andrew K.
Chlorine Effect on Secondary Effluent Filtration, TN: EE3:June 80:649:15447

Huang, C. P.
The Effect of Complex Formation on the Removal of Heavy Metals from Water and Wastewater, with A. R. Bowers, EE80:July 80:240

Huang, Jerry Y.C.
See George E. Wilson, EE3:June 79:583:14619
See George E. Wilson, EE2:Apr 80:389:15358

Huang, Ju-Chang
Pretreatment of Sewage for Heavy Metal Removals, with Patrick M. McCole, EE80:July 80:236

Huck, Peter M.
Kinetic Model for Flocculation with Polymers, with Keith L. Murphy, EE4:Aug 78:767:13950
Dsc: Yerachmiel Argaman, EE4:Aug 79:792:14270
Clo: EE2:Apr 80:454:15296
TR:145:79

Hudgins, Robert R.
See J. Francisco Cordoba-Molina, EE6:Dec 78:1261:14231

Hudson, Herbert E., Jr.
Dividing-Flow Manifolds with Square-Edged Laterals, with Robert B. Uhler and Robert W. Bailey, EE4:Aug 79:745:14764
Dsc: Jonathan A. French, EE3:June 80:675:15441; John S. McNown, EE4:Aug 80:864:15582
TR:145:445

Huitric, Raymond
Dsc, EE5:Oct 80:1009:15717, of "Numerical Simulation of Gas Flow in Sanitary Landfills", EE5:Oct 79:927:14896

Huitric, Raymond L.
Moisture Retention of Landfilled Solid Wastes, with Sagar Raksit and Roger T. Haug, EE80:July 80:55

Humenik, Frank J.
See Fred A. Koehler, EE2:Apr 80:470:15296
See Fred A. Koehler, TN: EE3:June 80:655:15447

Hutzler, Neil J.
Wastewater Risk Assessment, with William C. Boyle, EE5:Oct 80:919:15748

Idelovitch, Emanuel
Environmental Effects of Water Reuse Scheme, EE3:June 80:561:15466
TR:145:719

Inoue, Yoriteru
See Sadataka Shiba, EE6:Dec 79:1113:15045

Jehle, W. A.
See A. Paolillo, EE80:July 80:406

Jenkins, Thomas F.
See C. James Martel, EE80:July 80:114
See Antonio J. Palazzo, EE80:July 80:347

Jennings, Marshall E.
Dsc, EE1:Feb 80:245:15158, of "Stormwater Analysis and Prediction in Houston", EE6:Dec 78:1087:14237

Jettmar, R. Uwe
Dynamic Water Quality Modeling in Southeast Florida, with George K. Young, Armando I. Perez and Robert Oros, EE1:Feb 80:105:15173
TR:145:616

Jones, Frank A., Jr.
Installation Restoration—An Army Initiative, with Donald K. Emig and John P. Glennon, EE80:July 80:571

Jones, Lisa D.
See Richard G. Luthy, TN: EE4:Aug 80:847:15588

Jones, R. Anne
See H. Kirk Horstman, EE80:July 80:144

Junkins, D. Randy
A Systematic Approach to Landfill Evaluation, with Michael H. Corbin, EE80:July 80:50

Kamedulski, George E.
See Hagop L. Shahabian, EE80:July 80:480

Kartinen, Ernest, Jr.
See Gerald A. Guter, EE80:July 80:520

Katz, Pamela B.
Control of Stormwater Runoff in a Rural Area, with John A. Ripp and Deborah K. Martin, EE80:July 80:372

Keleti, G.
See J. Sykora, EE80:July 80:267

Khudenko, Boris M.
Dsc, TN: EE4:Aug 79:787:14720, of "Ideal Flow Patterns for Equalization Basins", TN: EE4:Aug 78: 817:13913

Kincaid, John B.
See George R. Brower, EE80:July 80:472

Kinman, Riley N.
See James J. Walsh, EE80:July 80:62

Klee, Albert J.
Classification of Hazardous Wastes, with Michael U. Flanders, EE1:Feb 80:163:15205
TR:145:639

Knocke, William R.
Vacuum Filtration of Metal Hydroxide Sludges, with Mriganka M. Ghosh and John T. Novak, EE2:Apr 80:363:15363
TR:145:709
See Lynn P. Croy, EE80:July 80:534

Koehler, Fred A.
Modification of Older Automated Samplers, with Ed P. Harris and Frank J. Humenik, TN: EE3:June 80: 655:15447
Dsc, with Frank J. Humenik and F. Larry Bliven, EE2:Apr 80:470:15296, of "Nutrient Budget Analysis for Rend Lake in Illinois", EE3:June 79: 547:14616

Koppula, Sivajogi D.
Dsc, EE3:June 80:678:15441, of "Time Series Modeling of Chicago Particulates", EE5:Oct 79: 855:14887

Kornegay, B. H.
See Mark C. Anderson, EE80:July 80:378

Kothandaraman, Veerasamy
Nutrient Budget Analysis for Rend Lake in Illinois, with Ralph L. Evans, EE3:June 79:547:14616
Dsc: Fred A. Koehler, Frank J. Humenik and F. Larry Bliven, EE2:Apr 80:470:15296
TR:145:364

Kruger, Paul
Nuclear Facilities Siting, EE3:June 79:443:14615
TR:145:4

Kuchon, Kip
Occurence of Organic Compounds and Removal by AWT Processes, EE80:July 80:612

Kumar, Arun
See Subhash Chander, EE1:Feb 80:247:15158

Kuo, M. F.
See R. T. Fellman, EE80:July 80:221

Laak, Rein
Multichamber Septic Tanks, EE3:June 80:539:15472
TR:145:724

Lambert, Jeff L.
See Philip B. Bedient, EE2:Apr 80:421:15336

LaMotta, Enrique J.
Diffusion and Reaction in Biological Nitrification, with Wen K. Shieh, EE4:Aug 79:655:14759
Errata: EE4:Aug 80:864:15582
TR:145:424

Landine, Robert C.
See Graham J. Brown, TN: EE4:Aug 80:837:15588

Lang, Martin
Effective Sludge Disposal — A Question of Policy, EE80:July 80:664

Lanyon, Richard
See Irwin Polls, EE1:Feb 80:69:15169

Larsen, David P.
See Donald B. Porcella, EE6:Dec 80:15893

Larson, Kirke E.
Calculating Overflows from Combined Sewer Systems, EE5:Oct 79:829:14883
Errata: EE5:Oct 80:1004:15717
TR:145:474

Larson, Lory E.
See Roger C. Bales, EE80:July 80:582

Leckie, James O.
See Angelos N. Findikakis, EE5:Oct 79:927:14896

Lee, G. Fred
See H. Kirk Horstman, EE80:July 80:144

Lee, Michael C.
Mathematical Modeling of Humic Substances Removal with Activated Carbon Beds, with John C. Crittenden, Vernon L. Snoeyink and William E. Thacker, EE80:July 80:387

Letterman, Raymond D.
Economic Analysis of Granular-Bed Filtration, EE2: Apr 80:279:15337
TR:145:695

Levandowsky, M.
See S. Roychowdhury, EE80:July 80:75

Levine, Paul E.
Soil Chemistry Changes at Rapid Infiltration Site, with Ronald W. Crites and James V. Olson, EE5: Oct 80:869:15767
See James V. Olson, EE5:Oct 80:885:15768

Liang, Li-Shiang
Simulation of Lime-Soda Softening, with Irvine W. Wei and Henry G. Sideropoulos, EE5:Oct 80:935: 15756

Lin, Kuran-Chow
See Graham J. Brown, TN: EE4:Aug 80:837:15588

Lorence, James C.
See John L. Cleasby, EE4:Aug 78:749:13967

Loucks, Daniel P.
See Peter N. French, EE80:July 80:138

Lundie, James C.
See Shahnawaz Ahmad, EE80:July 80:122

Luthy, Richard G.
Biological Oxidation of Coke Plant Effluent, with Lisa D. Jones, TN: EE4:Aug 80:847:15588
Biological Treatment of Synthetic Fuel Wastewater, with Deborah J. Sekel and James T. Tallon, EE3: June 80:609:15459
TR:145:715
Leach Characteristics of Coal-Gasification Char, with Pantelis Vassiliou and Mark J. Carter, EE1:Feb 80: 81:15171
TR:145:613

Lynch, John
RCRA Implementation and the Environmental Engineer's Role, EE80:July 80:199

Machado, Paulo
See Philip B. Bedient, EE2:Apr 80:421:15336

MacInnes, Campbell D.
Stochastic Design of Flow Equilization Basins, with Andrew C. Middleton and Kazimierz Adamowski, EE6:Dec 78:1275:14251
Dsc: Subhash Chander, Arun Kumar and S. K. Goyal, EE1:Feb 80:247:15158
Clo: EE4:Aug 80:861:15582
TR:145:176

Macko, Christine Ann
Organics Removal by Ion Exchange-Process Design, with Walter J. Maier, EE80:July 80:394

Maier, Walter J.
See Christine Ann Macko, EE80:July 80:394

Maiero, David J.
See Wesley L. Bradford, EE5:Oct 78:981:14100

Mar, Brian W.
Dsc, EE3:June 80:677:15441, of "Leachate Generation from a Sludge Disposal Area", EE5:Oct 79:947:14884

Martel, C. James
Rational Design of Overland Flow Systems, with D. Dean Adrian, Thomas F. Jenkins and Robert E. Peters, EE80:July 80:114
See Antonio J. Palazzo, EE80:July 80:347
See E. Allan Cassell, EE80:July 80:620

Martin, Deborah K.
See Pamela B. Katz, EE80:July 80:372

McBean, Edward A.
See Raymond L. Alarie, EE2:Apr 80:293:15312

McCarty, Perry L.
Organics in Water—An Engineering Challenge, EE1: Feb 80:1:15180
TR:145:625

McCole, Patrick M.
See Ju-Chang Huang, EE80:July 80:236

McDonnell, Archie J.
See Raymond M. Wright, EE2:Apr 79:323:14523

McGregor, S. T.
See F. C. Miller, EE80:July 80:40

McMahon, Brian R.
See Allen R. Overman, EE2:Apr 80:267:15321

McMurray, Daniel T.
See Damodar S. Airan, EE4:Aug 80:741:15613

McNown, John S.
Dsc, EE4:Aug 80:864:15582, of "Dividing-Flow Manifolds with Square-Edged Laterals", EE4:Aug 79:745:14764

Meadows, Michael E.
Assessing Nonpoint Water Quality for Small Streams, with Dennis W. Weeter and James M. Green, EE6: Dec 78:1119:14232
Dsc: Philip B. Bedient, EE2:Apr 80:459:15296
TR:145:158

Meals, Donald W.
See E. Allan Cassell, EE80:July 80:620

Melfi, David A.
See Frank H. Verhoff, EE3:June 80:591:15456

Messenger, Manette
See Ed Smith, EE80:July 80:634

Michalczyk, Bert L.
Heat Treatment and Vacuum Filtration of Metal-Laden Municipal Sludge, with Ronald F. Wukasch, EE80:July 80:25

Michuda, Alfred J.
See Raymond R. Rimkus, EE6:Dec 80:15902

Middlebrooks, Eddie J.
See R. S. Sletten, EE80:July 80:339

Middleton, Andrew C.
See Campbell D. MacInnes, EE6:Dec 78:1275:14251

Miller, F. C.
Biological Drying of Sewage Sludge—A New Composting Process, with S. T. McGregor, M. S. Finstein and J. Cirello, EE80:July 80:40

Morand, James M.
Performance of Package Water Treatment Plants, with Matthew J. Young, EE80:July 80:526

Mueller, John A.
See John R. Elwood, EE80:July 80:464

Murphy, Keith L.
See Peter M. Huck, EE4:Aug 78:767:13950

Murray, C. M.
See L. J. Sikora, EE2:Apr 80:351:15310

Murray, David E.
Case Study of a Hazardous Waste Disposal Facility, EE80:July 80:433

Mutch, Robert D., Jr.
Secure Land Burial of Hazardous Wastes: A State-of-the-Art Example, EE80:July 80:426

Neely, Nancy S.
See James J. Walsh, EE80:July 80:62

Nesbitt, John B.
See Raymond W. Reagan, EE80:July 80:282

Newell, Charles J.
Nonpoint Source Loads and Impacts to a Water Supply Reservoir, with Philip B. Bedient, EE80:July 80:364

Nitya, Anan
See Yeun C. Wu, EE2:Apr 79:357:14544

Nosenchuck, Norman H.
Location and Remediation of Abandoned Hazardous Wastes Sites, EE80:July 80:560

Novak, John T.
See William R. Knocke, EE2:Apr 80:363:15363

Novotny, Vladimir
Dsc, EE1:Feb 80:253:15158, of "In-Stream Deoxygenation Rate Prediction", EE2:Apr 79:323:14523

Olson, James V.
Ground-Water Quality at Rapid Infiltration Site, with Ronald W. Crites and Paul E. Levine, EE5:Oct 80:885:15768
See Paul E. Levine, EE5:Oct 80:869:15767

O'Neill, William D.
Time Series Modeling of Chicago Particulates, EE5:Oct 79:855:14887
Dsc: Sivajogi D. Koppula, EE3:June 80:678:15441; A. Ramachandra Rao and G. Padmanabhan, EE5:Oct 80:1006:15717
TR:145:491

Oros, Robert
See R. Uwe Jettmar, EE1:Feb 80:105:15173

Ouano, Ely Anthony R.
Ideal Flow Patterns for Equalization Basins, TN: EE4:Aug 78:817:13913
Dsc: Boris M. Khudenko, TN: EE4:Aug 79:787:14720
Clo: TN: EE2:Apr 80:453:15296

Oulman, Charles
See Ahmet M. Saatci, EE2:Apr 80:463:15296

Overman, Allen R.
Cation Transport in Packed Bed Reactor of Soil, with Brian R. McMahon, Rolan L. Chu and Flora C. Wang, EE2:Apr 80:267:15321
TR:145:682
See Phillip R. Scheuerman, EE4:Aug 79:629:14756

Ozturk, Yasar F.
Mathematical Modeling of Dissolved Oxygen in Mixed Estuaries, EE5:Oct 79:883:14923
Errata: EE5:Oct 80:1010:15717
TR:145:523

Pacquin, Paul C.
See Robert V. Thomann, EE80:July 80:130

Padmanabhan, G.
See A. Ramachandra Rao, EE5:Oct 80:1006:15717

Palazzo, Antonio J.
Forage Grass Growth on Overland Flow Systems, with C. James Martel and Thomas F. Jenkins, EE80:July 80:347

Paolillo, A.
Control of Noise and Vibration in Buildings Near Subways, with H. Podolsky, EE80:July 80:414
Control of Noise of Rapid Transit Cars, with W. A. Jehle, EE80:July 80:406
See Stan Potter, EE80:July 80:421

Parkin, Gene F.
Modeling Toxicity in Methane Fermentation Systems, with Richard E. Speece, EE80:July 80:288

Parra-Pardi, Gustavo
Modeling Pollution in Strait of Maracaibo, EE5:Oct 80:959:15751

Pathak, B. N.
See K. R. Bulusu, EE2:Apr 80:466:15296

Patry, Gilles G.
Analysis and Design of Equalization Facilities, EE80:July 80:183

Peel, Russell G.
Dual Rate Kinetic Model of Fixed Bed Adsorber, with Andrew Benedek, EE4:Aug 80:797:15638

Pendergast, James F.
See Paul L. Freedman, EE2:Apr 80:335:15355

Perez, Armando I.
See R. Uwe Jettmar, EE1:Feb 80:105:15173

Pershe, Edward R.
Aquaculture Systems for Wastewater Treatment, EE80:July 80:103

Peterman, Barry
See Ed Smith, EE80:July 80:634

Peters, Robert E.
See C. James Martel, EE80:July 80:114

Peterson, Spencer A.
See Donald B. Porcella, EE6:Dec 80:15893

Pfoutz, W. D.
See Mark C. Anderson, EE80:July 80:378

Pierstorff, Bruce W.
Water Pollution from Snow Removal Operations, with Paul L. Bishop, EE2:Apr 80:377:15331
TR:145:686

Pisano, William C.
Southern Illinois Mine Waste Control Plan: A Summary, with Gerald L. Aronson, EE1:Feb 80:55:15167
TR:145:591

Podolsky, H.
See A. Paolillo, EE80:July 80:414

Pohland, Frederick G.
Leachate Recycle as Landfill Management Option, EE6:Dec 80:15899

Polkowski, Lawrence B.
See Karl G. Voelkel, EE80:July 80:307

Polls, Irwin
Pollutant Concentrations form Homogenous Land Uses, with Richard Lanyon, EE1:Feb 80:69:15169
TR:145:601

Porcella, Donald B.
Index To Evaluate Lake Restoration, with Spencer A. Peterson and David P. Larsen, EE6:Dec 80:15893

Potter, Stan
Control of Construction Noise, with A. Paolillo, EE80:July 80:421

Powers, J.
See S. Roychowdhury, EE80:July 80:75

Raats, Peter
See Robert C. Rice, EE6:Dec 80:15912

Raksit, Sagar
See Raymond L. Huitric, EE80:July 80:55

Ramaley, Brian L.
Reuse Alternatives in the Los Angeles Basin, with Gordon P. Treweek, Frank A. Grant and E. Wiley Horne, EE80:July 80:207

Ramsey, Heyward R., III
See Robert M. Sweazy, EE80:July 80:357

Rao, A. Ramachandra
Dsc, with G. Padmanabhan, EE5:Oct 80:1006:15717, of "Time Series Modeling of Chicago Particulates", EE5:Oct 79:855:14887

Rathbun, Ronald E.
Laboratory Studies of Gas Tracers for Reaeration, with D. W. Stephens, David J. Shultz and D. Y. Tai, EE2:Apr 78:215:13679
Dsc: Ernest C. Tsivoglou, EE2:Apr 79:426:14468
Clo: EE3:June 80:663:15441
TR:145:42

Reagan, Raymond W.
Biokinetics of Phosphorus Removal in PHOSTRIP Activated Sludge, with John B. Nesbitt, EE80:July 80:282

Reed, Sherwood C.
See R. S. Sletten, EE80:July 80:339

Reynolds, Carroll E.
See Robert C. Balling, Jr., EE5:Oct 80:901:15743

Rhodes, James A.
See Robert C. Dolecki, EE80:July 80:249

Rice, Robert C.
Underground Travel of Renovated Wastewater, with Peter Raats, EE6:Dec 80:15912

Ridgway, James W.
See Peter G. Collins, EE1:Feb 80:153:15199

Rimkus, Raymond R.
Digester Gas Utilization Programs, with John M. Ryan and Alfred J. Michuda, EE6:Dec 80:15902

Ripp, John A.
See Pamela B. Katz, EE80:July 80:372

Roderique, Dawn D.
Siting of Hazardous Waste Management Facilities, with Timothy D. Van Epp, EE80:July 80:320

Rooney, Thomas C.
Oxygen Transfer Standard—Basin Geometry and Mixing (Abstract), with Ronald N. Salzman, EE80:July 80:94

Roychowdhury, S.
Modeling Effects of Environmental Stresses due to Industrial Wastes on Gas Production by Landfill Sediments, with L. Y. Young, D. Cox, J. Powers, J. Sharkey and M. Levandowsky, EE80:July 80:75

Rutherford, J. C.
Waikato River Pollutant Flushing Rates, with M. E.U. Taylor and J. D. Davies, EE6:Dec 80:15939

Ryan, John M.
See Raymond R. Rimkus, EE6:Dec 80:15902

Santci, Ahmet M.
Dsc, with Charles Oulman, EE2:Apr 80:463:15296, of "High-Rate Filtration in Polymer-Treated Sand Bed", EE2:Apr 79:231:14525

Salzman, Ronald N.
See Thomas C. Rooney, EE80:July 80:94

Saunier, Bernard M.
See Robert E. Selleck, EE6:Dec 78:1197:14247

Sauter, Laurence J., Jr.
A Streamlined Approach to Biological Nitrogen Removal, with James E. Alleman, EE80:July 80:296

Saxton, Gary B.
Prediction of Septic-System Failures, with Joseph M. Zeneski, EE3:June 79:503:14609
Dsc: David A. Bella, EE3:June 80:672:15441
Clo: EE6:Dec 80:15864
TR:145:354

Schaff, Russell M.
See Foppe B. DeWalle, EE3:June 80:631:15496

Scheuerman, Phillip R.
Transport of Viruses through Organic Soils and Sediments, with Gabriel Bitton, Allen R. Overman and George E. Gifford, EE4:Aug 79:629:14756
Dsc: Richard Bixby, EE3:June 80:674:15441
TR:145:413

Schroeder, Edward D.
See Richard F. Barror, EE6:Dec 80:15864

Schroepfer, Terry W.
See George E. Wilson, EE2:Apr 80:389:15358

Scott, William S.
Road Salts Movement into Two Toronto Streams, EE3:June 80:547:15468
TR:145:721

Sekel, Deborah J.
See Richard G. Luthy, EE3:June 80:609:15459

Selleck, Robert E.
Kinetics of Bacterial Deactivation with Chlorine, with Bernard M. Saunier and Harvey F. Collins, EE6:Dec 78:1197:14247
Dsc: Charles N. Haas, EE6:Dec 79:1198:15006
Clo: EE5:Oct 80:1000:15717
TR:145:168
See R. Rhodes Trussell, EE4:Aug 79:796:14720

Shahabian, Hagop L.
Modeling Combined Sewer Storage Alternatives, with Anthony J. Graham and George E. Kamedulski, EE80:July 80:480

Shapiro, Maurice A.
See J. Sykora, EE80:July 80:267

Sharifi, Manijeh
See Spyros Economides, EE4:Aug 78:675:13951

Sharkey, J.
See S. Roychowdhury, EE80:July 80:75

Sharp, James J.
Oil Booms and Skimmer Walls: A Comparison, TN: EE5:Oct 80:991:15723

Shelef, Gedaliah
Kinetics of Pure Oxygen Activated Sludge, with Michal Green, EE6:Dec 80:15884

Shelton, Steve
See Ed Smith, EE80:July 80:634

Shen, Thomas T.
Air Pollution Aspects of Land Disposal of Toxic Wastes, with T. James Tofflemire, EE1:Feb 80:211: 15213
TR:145:653

Shiba, Sadataka
Dynamic Estimation of Settling Basin Performance, with Yoriteru Inoue and Yasuyo Ueda, EE6:Dec 79:1113:15045
Errata: EE6:Dec 80:15864
TR:145:569
Dsc, EE6:Dec 79:1194:15006, of "Settling in Continuous Sedimentation Tanks", EE6:Dec 78: 1261:14231
Dsc, EE2:Apr 80:462:15296, of "Optimal Design of High Rate Sedimentation Devices", EE2:Apr 79: 199:14512

Shieh, Wen K.
See Enrique J. LaMotta, EE4:Aug 79:655:14759

Shin, Byong S.
Applicability of Kynch Theory to Flocculent Suspensions, with Richard I. Dick, EE3:June 80: 505:15461
TR:145:717

Shultz, David J.
See Ronald E. Rathbun, EE2:Apr 78:215:13679

Sideropoulos, Henry G.
See Li-Shiang Liang, EE5:Oct 80:935:15756

Sikora, L. J.
Trenching of Digested Sludge, with N. H. Frankos, C. M. Murray and J. M. Walker, EE2:Apr 80:351: 15310
TR:145:663

Silveston, Peter L.
See J. Francisco Cordoba-Molina, EE6:Dec 78:1261: 14231

Simpson, Pickett T.
See Allen W. Hatheway, EE80:July 80:329

Singh, Gurinder
See Dennis Clifford, EE80:July 80:514

Singh, Udai P.
Approximate BOD Treatment Requirements for Urban Runoff, with Ronald L. Wycoff and Gregory L. Tate, EE1:Feb 79:3:14360
Dsc: S. David Graber, EE1:Feb 80:248:15158
Clo: EE5:Oct 80:1002:15717
TR:145:200

Skinner, Peter N.
NEWCO and SCA — Harbingers for Future Hazardous Waste Siting Wrangles?, EE80:July 80: 657

Slack, Joseph L.
The Love Canal Remedial Action Report, EE80:July 80:564

Sletten, R. S.
Energy and Costs for Agricultural Reuse of Wastewater, with Sherwood C. Reed and Eddie J. Middlebrooks, EE80:July 80:339

Small, Mitchell J.
Stormwater Treatment Systems, with Dominic M. DiToro, EE3:June 79:557:14617
TR:145:5
See Dominic M. Di Toro, EE1:Feb 79:43:14368

Smith, Ed
Potential for Water Reuse—A Computer Model, with Steve Shelton, Manette Messenger and Barry Peterman, EE80:July 80:634

Snoeyink, Vernon L.
See John C. Crittenden, EE80:July 80:274
See Michael C. Lee, EE80:July 80:387

Sorg, Tom
See Dennis Clifford, EE80:July 80:514

Speece, Richard E.
See Gene F. Parkin, EE80:July 80:288

Speitel, Gerald E.
See William H. Fleming, Jr., EE80:July 80:257

Splendore, John L.
See Allen W. Hatheway, EE80:July 80:329

Sproul, Otis J.
See Douglas S. Walsh, EE4:Aug 80:711:15601

Sproul, Otis J., Chmn.
State of the Journal, EE6:Dec 80:15930

Stathis, Theodore C.
Fluidized Bed for Biological Wastewater Treatment, EE1:Feb 80:227:15215
TR:145:659

Stensel, H. David
See Sal D'Angelo, EE4:Aug 80:773:15636

Stenstrom, Michael K.
Alpha, Beta, and Theta Factors For Oxygen Transfer Testing, with R. Gary Gilbert, EE80:July 80:86
Cost Interactions in Activated Sludge Systems, with John F. Andrews, EE4:Aug 80:787:15627
See Linfield C. Brown, TN: EE6:Dec 80:15869

Stephens, D. W.
See Ronald E. Rathbun, EE2:Apr 78:215:13679

Stilley, Sydney H.
Treating Industrial Wastewater of Varying Quality and Quantity, EE80:July 80:553

St. John, Wayne
See Gerald W. Foess, EE5:Oct 80:947:15758

Stukenberg, John R.
Oxygen Transfer Measurements in Respiring Systems, EE80:July 80:78

Suffet, Irwin H.
See Kent E. Zenobia, TN: EE4:Aug 80:852:15588

Swanson, Gregory R.
Upgrading Lagoon Effluents with Rock Filters, with Kenneth J. Williamson, EE6:Dec 80:15887

Sweazy, Robert M.
Effluent Irrigation at Lubbock, Texas, with Heyward R. Ramsey, III and George A. Whetstone, EE80: July 80:357

Sykora, J.
Biological Contamination of Finished Water Reservoirs, with Maurice A. Shapiro and G. Keleti, EE80:July 80:267

Sylvester, Nicholas D.
See John J. Byeseda, EE2:Apr 79:231:14525

Tai, D. Y.
See Ronald E. Rathbun, EE2:Apr 78:215:13679

Tallon, James T.
See Richard G. Luthy, EE3:June 80:609:15459

Tan, Kok-Heng
Highway Construction Impact on Water-Supply Lakes, with Dhandapani Thirumurthi, EE5:Oct 78:997:14052
Dsc: Santosh R. Goswami, EE4:Aug 79:800:14720
Clo: EE2:Apr 80:457:15296
TR:145:122

Tate, Gregory L.
See Udai P. Singh, EE1:Feb 79:3:14360

Taylor, M. E.U.
See J. C. Rutherford, EE6:Dec 80:15939

Tchobanoglous, George
See George E. Wilson, EE3:June 79:583:14619

Tebbutt, T. H. Y.
Dsc, EE6:Dec 80:15864, of "Simulation Modeling of Primary Clarifiers", EE2:Apr 80:293:15312

Teigen, Paul
See Frank A. Grant, EE80:July 80:640

Thacker, William E.
See John C. Crittenden, EE80:July 80:274
See Michael C. Lee, EE80:July 80:387

Thackston, Edward L.
See Edward C. Davis, EE80:July 80:153

Thackwell, Henry L.
Dsc, EE5:Oct 79:1021:14864, of "Optimum Backwashing of Sand Filters", EE5:Oct 78:917:14078
Dsc, EE6:Dec 80:15864, of "Hydraulic Design of Flow Distribution Channels", EE2:Apr 80:321:15317

Thirumurthi, Dhandapani
Design Criteria for Aerobic Aerated Lagoons, EE1:Feb 79:135:14392
Dsc: Sorab J. Arceivala, EE1:Feb 80:250:15158
Clo: EE4:Aug 80:862:15582
TR:145:247
See Kok-Heng Tan, EE5:Oct 78:997:14052

Thomann, Robert V.
Modeling of PCB Fate in the Hudson River System, with Paul C. Pacquin and James J. Fitzpatrick, EE80:July 80:130

Thomas, Richard
See Daniel J. Hinrichs, EE80:July 80:355

Thornton, John R.
Evaluation of Land Treatment of Wastewater in California, with James D. Goff, EE80:July 80:106

Tofflemire, T. James
See Thomas T. Shen, EE1:Feb 80:211:15213

Treweek, Gordon P.
See Brian L. Ramaley, EE80:July 80:207

Trompeter, Ken M.
See Madan L. Arora, EE80:July 80:100

Trussell, R. Rhodes
Dsc, with Robert E. Selleck and Junn-Ling Chao, EE4:Aug 79:796:14720, of "Hydraulic Analysis of Model Treatment Units", EE4:Aug 78:785:13955
See Junn-Ling Chao, EE2:Apr 80:321:15317

Tsivoglou, Ernest C.
Dsc, EE2:Apr 79:426:14468, of "Laboratory Studies of Gas Tracers for Reaeration", EE2:Apr 78:215:13679

Turner, William A.
Meteorological Impacts on Urban Sulfate Levels, with Constantine J. Gregory, EE2:Apr 80:311:15348
TR:145:697

Uchrin, Christopher G.
Modeling Suspended Solids and Associated Bacteria in Natural Water Systems, with Walter J. Weber, Jr., EE80:July 80:160

Ueda, Yasuyo
See Sadataka Shiba, EE6:Dec 79:1113:15045

Uhler, Robert B.
See Herbert E. Hudson, Jr., EE4:Aug 79:745:14764

Underhill, Richard E.
See Robert C. Dolecki, EE80:July 80:249

Van Doren, Guy D.
See C. Richard Walter, EE80:July 80:488

Van Epp, Timothy D.
See Dawn D. Roderique, EE80:July 80:320

Vassiliou, Pantelis
See Richard G. Luthy, EE1:Feb 80:81:15171

Verhoff, Frank H.
Optimal Design of High Rate Sedimentation Devices, EE2:Apr 79:199:14512
Dsc: Sadataka Shiba, EE2:Apr 80:462:15296
Clo: EE6:Dec 80:15864
TR:145:254
River Nutrient and Chemical Transport Estimation, with Stephen M. Yaksich and David A. Melfi, EE3:June 80:591:15456
TR:145:712

Viraraghavan, Thiruvenkatachari
Dsc, EE3:June 80:673:15441, of "Managed On-Site Disposal in Unsewered Areas", EE3:June 79:583:14619
Dsc, EE4:Aug 80:867:15582, of "Final Clarifiers for Activated Sludge Plants", EE5:Oct 79:803:14930
See Graham J. Brown, TN: EE4:Aug 80:837:15588

Voelkel, Karl G.
Sensitivity Analyses of Wastewater Treatment Plant Design Parameters, with Lawrence B. Polkowski, EE80:July 80:307

Walker, J. M.
See L. J. Sikora, EE2:Apr 80:351:15310

Wallis, Ian G.
Comparison of Tangibles and Intangibles, EE4:Aug 78:625:13959
Dsc: Pascal de Caprariis, EE4:Aug 79:798:14720
Clo: EE2:Apr 80:457:15296
TR:145:109

Walsh, Douglas S.
Ozone Inactivation of Floc Associated Viruses and Bacteria, with Charles E. Buck and Otis J. Sproul, EE4:Aug 80:711:15601

Walsh, James J.
Municipal/Industrial Waste Landfill Simulators, with Riley N. Kinman and Nancy S. Neely, EE80:July 80:62

Walter, C. Richard
Aerosols in the Treatment Plant Environment, with Guy D. Van Doren, EE80:July 80:488

Wang, Flora C.
See Allen R. Overman, EE2:Apr 80:267:15321

Wardwell, Richard E.
See Wayne A. Charlie, EE5:Oct 79:947:14884

Weber, Walter J., Jr.
See John C. Crittenden, EE6:Dec 78:1175:14230
See Christopher G. Uchrin, EE80:July 80:160

Webster, William J.
See Daniel A. Driscoll, EE80:July 80:399

Weeter, Dennis W.
See Michael E. Meadows, EE6:Dec 78:1119:14232
See Hugh T. Carson, EE80:July 80:508

Wei, Irvine W.
See Li-Shiang Liang, EE5:Oct 80:935:15756

Weller, Lloyd W.
Engineering Design Variables for the Activated Sludge Process, EE3:June 80:473:15509
Errata: EE5:Oct 80:1011:15717
TR:145:729

Wheeler, Gil
See George E. Wilson, EE3:June 79:583:14619

Whetstone, George A.
See Robert M. Sweazy, EE80:July 80:357

White, Cindy
See Paul L. Bishop, EE5:Oct 80:977:15760

White, Mahlon B.
See Richard A. Gardner, EE80:July 80:453

Williams, Brian J.
Expansion of Effluent Constrained Treatment Plants, EE3:June 80:571:15469
TR:145:723

Williamson, Kenneth J.
Estuarine Sediments: Successional Model, with David A. Bella, EE4:Aug 80:695:15595
See David A. Bella, EE1:Feb 80:125:15174
See Gregory R. Swanson, EE6:Dec 80:15887

Wilson, George E.
Atmospheric Sublayer Transport and Odor Control, with Jerry Y.C. Huang and Terry W. Schroepfer, EE2:Apr 80:389:15358
TR:145:704
Managed On-Site Disposal in Unsewered Areas, with Jerry Y.C. Huang, George Tchobanoglous and Gil Wheeler, EE3:June 79:583:14619
Dsc: Thiruvenkatachari Viraraghavan, EE3:June 80:673:15441
Clo: EE6:Dec 80:15864
TR:145:374
TEACUP Pretreatment of Wastewaters, EE80:July 80:651

Winfield, Richard P.
See Thomas W. Gallagher, EE80:July 80:604

Wiseman, Howard
See Warren H. Chesner, EE80:July 80:504

Wong, Bryant W.C.
See John C. Crittenden, EE80:July 80:274

Wright, Ira J.
See Roger C. Bales, EE80:July 80:582

Wright, Raymond M.
In-Stream Deoxygenation Rate Prediction, with Archie J. McDonnell, EE2:Apr 79:323:14523
Dsc: Vladimir Novotny, EE1:Feb 80:253:15158
TR:145:288

Wu, Yeun C.
Water Defluoridation with Activated Alumina, with Anan Nitya, EE2:Apr 79:357:14544
Dsc: K. R. Bulusu and B. N. Pathak, EE2:Apr 80:466:15296
TR:145:338

Wukasch, Ronald F.
See Bert L. Michalczyk, EE80:July 80:25

Wycoff, Ronald L.
See Udai P. Singh, EE1:Feb 79:3:14360

Yaksich, Stephen M.
See Frank H. Verhoff, EE3:June 80:591:15456

Yeh, Charles H.H.
Filtration for Treating Metal-Finishing Wastes, with Mriganka M. Ghosh, EE80:July 80:546

Yeh, H. H.
See R. T. Fellman, EE80:July 80:221

Young, G. Kenneth
Advanced Waste Treatment Investments, EE4:Aug 80:681:15597

Young, George K.
See R. Uwe Jettmar, EE1:Feb 80:105:15173

Young, L. Y.
See S. Roychowdhury, EE80:July 80:75

Young, Matthew J.
See James M. Morand, EE80:July 80:526

Zeneski, Joseph M.
See Gary B. Saxton, EE3:June 79:503:14609

Zenobia, Kent E.
Multiple-Tap Column Design for Adsorbents, with Irwin H. Suffet, TN: EE4:Aug 80:852:15588